

# Ceramic Capacitors(SMD)

« Search Conditions »

GRM188R7(Starting with ...)

Capacitance 3 DigitCode:220 to 2200000(pF)

Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R70J225KE15# <small>In Production</small>	125°C max. Reflow OK Flow OK	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	6.3Vdc	2.2μF	±10%	
GRM188R71A225KE15# <small>In Production</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	10Vdc	2.2μF	±10%	
GRM188R71A225ME15# <small>In Production</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	10Vdc	2.2μF	±20%	

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# Ceramic Capacitors(SMD)

Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R71C474KA88# <small>In Production</small>	125°C max. Reflow OK Flow OK	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	16Vdc	0.47μF	±10%	
GRM188R71C474MA88# <small>In Production</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	16Vdc	0.47μF	±20%	
GRM188R71E224JA88# <small>In Production</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	0.22μF	±5%	
GRM188R71E224KA88# <small>In Production</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	0.22μF	±10%	

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# Ceramic Capacitors(SMD)

Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R71E224MA88# <small>In Production</small>	125 °C max.  	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	0.22µF	±20%	
GRM188R71E474KA12# <small>In Production</small>	125 °C max.  	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	0.47µF	±10%	
GRM188R71E474MA12# <small>In Production</small>	125 °C max.  	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	0.47µF	±20%	
GRM188R71H224KAC4# <small>In Production</small>	125 °C max.  	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	50Vdc	0.22µF	±10%	

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Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R71H224MAC4# <small>In Production</small>	125 °C max. Reflow OK Flow OK	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	50Vdc	0.22µF	±20%	
GRM188R72A103KA01# <small>In Production</small>	125 °C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	100Vdc	10000pF	±10%	
GRM188R72A103MA01# <small>In Production</small>	125 °C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	100Vdc	10000pF	±20%	
GRM188R72A104KA35# <small>In Production</small>	125 °C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	100Vdc	0.1µF	±10%	

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Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R72A104MA35# <small>In Production</small>	125 °C max.	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	100Vdc	0.1µF	±20%	
GRM188R72A223JAC4# <small>In Production</small>	125 °C max.	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	100Vdc	22000pF	±5%	
GRM188R72A223KAC4# <small>In Production</small>	125 °C max.	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	100Vdc	22000pF	±10%	
GRM188R72A223MAC4# <small>In Production</small>	125 °C max.	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	100Vdc	22000pF	±20%	

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Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R72E102KW07# <small>In Production</small>	125 °C max.  	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	250Vdc	1000pF	±10%	
GRM188R72E152KW07# <small>In Production</small>	125 °C max.  	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	250Vdc	1500pF	±10%	
GRM188R72E221KW07# <small>In Production</small>	125 °C max.  	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	250Vdc	220pF	±10%	
GRM188R72E222KW07# <small>In Production</small>	125 °C max.  	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	250Vdc	2200pF	±10%	

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Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R72E331KW07# <small>In Production</small>	125 °C max.  	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	250Vdc	330pF	±10%	
GRM188R72E471KW07# <small>In Production</small>	125 °C max.  	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	250Vdc	470pF	±10%	
GRM188R72E681KW07# <small>In Production</small>	125 °C max.  	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	250Vdc	680pF	±10%	
GRM188R7YA474KE05# <small>In Production</small>	125 °C max.  	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	35Vdc	0.47μF	±10%	

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Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R7YA474ME05# <small>In Production</small>	125°C max. Reflow OK Flow OK	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	35Vdc	0.47μF	±20%	
GRM188R70J224KA88# <small>NRND</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	6.3Vdc	0.22μF	±10%	
GRM188R70J474KA01# <small>NRND</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	6.3Vdc	0.47μF	±10%	
GRM188R71A124JA01# <small>NRND</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	10Vdc	0.12μF	±5%	

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Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R71A124KA01# NRND	125°C max. Reflow OK Flow OK	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	10Vdc	0.12μF	±10%	
GRM188R71A124MA01# NRND	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	10Vdc	0.12μF	±20%	
GRM188R71A154JA01# NRND	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	10Vdc	0.15μF	±5%	
GRM188R71A154KA01# NRND	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	10Vdc	0.15μF	±10%	

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Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R71A154MA01# NRND	125°C max. Reflow OK Flow OK	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	10Vdc	0.15μF	±20%	
GRM188R71A184JA01# NRND	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	10Vdc	0.18μF	±5%	
GRM188R71A184KA01# NRND	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	10Vdc	0.18μF	±10%	
GRM188R71A184MA01# NRND	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	10Vdc	0.18μF	±20%	

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GRM188R71A224JA01# NRND	125°C max. Reflow OK Flow OK	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	10Vdc	0.22μF	±5%	
GRM188R71A224KA01# NRND	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	10Vdc	0.22μF	±10%	
GRM188R71A224KC01# NRND	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	10Vdc	0.22μF	±10%	Please use alternative.
GRM188R71A224MA01# NRND	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	10Vdc	0.22μF	±20%	

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GRM188R71A334KA61# NRND	125 °C max. Reflow OK Flow OK	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	10Vdc	0.33μF	±10%	
GRM188R71A334MA61# NRND	125 °C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	10Vdc	0.33μF	±20%	
GRM188R71A394KA61# NRND	125 °C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	10Vdc	0.39μF	±10%	
GRM188R71A394MA61# NRND	125 °C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	10Vdc	0.39μF	±20%	

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Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R71A474JA61# NRND	125 °C max. Reflow OK Flow OK	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	10Vdc	0.47µF	±5%	
GRM188R71A474KA61# NRND	125 °C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	10Vdc	0.47µF	±10%	
GRM188R71A474MA61# NRND	125 °C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	10Vdc	0.47µF	±20%	
GRM188R71A564KA61# NRND	125 °C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	10Vdc	0.56µF	±10%	

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# Ceramic Capacitors(SMD)

Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R71A564MA61# NRND	125°C max. Reflow OK Flow OK	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	10Vdc	0.56μF	±20%	
GRM188R71A684KA61# NRND	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	10Vdc	0.68μF	±10%	
GRM188R71A684MA61# NRND	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	10Vdc	0.68μF	±20%	
GRM188R71C124JA01# NRND	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	16Vdc	0.12μF	±5%	

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Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R71C124KA01# NRND	125°C max. Reflow OK Flow OK	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	16Vdc	0.12μF	±10%	
GRM188R71C124MA01# NRND	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	16Vdc	0.12μF	±20%	
GRM188R71C154JA01# NRND	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	16Vdc	0.15μF	±5%	
GRM188R71C154KA01# NRND	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	16Vdc	0.15μF	±10%	

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# Ceramic Capacitors(SMD)

Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R71C154MA01# NRND	125°C max. Reflow OK Flow OK	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	16Vdc	0.15μF	±20%	
GRM188R71C184JA01# NRND	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	16Vdc	0.18μF	±5%	
GRM188R71C184KA01# NRND	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	16Vdc	0.18μF	±10%	
GRM188R71C184MA01# NRND	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	16Vdc	0.18μF	±20%	

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# Ceramic Capacitors(SMD)

Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R71C224JA01# NRND	125°C max. Reflow OK Flow OK	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	16Vdc	0.22μF	±5%	
GRM188R71C224KA01# NRND	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	16Vdc	0.22μF	±10%	
GRM188R71C224MA01# NRND	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	16Vdc	0.22μF	±20%	
GRM188R71C274JA01# NRND	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	16Vdc	0.27μF	±5%	

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# Ceramic Capacitors(SMD)

Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R71C274KA01# NRND	125 °C max. Reflow OK Flow OK	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	16Vdc	0.27µF	±10%	
GRM188R71C274MA01# NRND	125 °C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	16Vdc	0.27µF	±20%	
GRM188R71C334JA01# NRND	125 °C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	16Vdc	0.33µF	±5%	
GRM188R71C334KA01# NRND	125 °C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	16Vdc	0.33µF	±10%	

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# Ceramic Capacitors(SMD)

Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R71C334MA01# NRND	125°C max. Reflow OK Flow OK	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	16Vdc	0.33μF	±20%	
GRM188R71C394KA88# NRND	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	16Vdc	0.39μF	±10%	
GRM188R71C394MA88# NRND	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	16Vdc	0.39μF	±20%	
GRM188R71E124JA01# NRND	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	0.12μF	±5%	

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# Ceramic Capacitors(SMD)

Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R71E124KA01# NRND	125°C max. Reflow OK Flow OK	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	0.12μF	±10%	
GRM188R71E124MA01# NRND	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	0.12μF	±20%	
GRM188R71E154JA01# NRND	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	0.15μF	±5%	
GRM188R71E154KA01# NRND	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	0.15μF	±10%	

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# Ceramic Capacitors(SMD)

Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R71E154MA01# NRND	125°C max. Reflow OK Flow OK	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	0.15μF	±20%	
GRM188R71E184JA88# NRND	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	0.18μF	±5%	
GRM188R71E184KA88# NRND	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	0.18μF	±10%	
GRM188R71E184MA88# NRND	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	0.18μF	±20%	

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# Ceramic Capacitors(SMD)

Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R71H154KAC4# NRND	125°C max. Reflow OK Flow OK	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	50Vdc	0.15μF	±10%	
GRM188R71H154MAC4# NRND	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	50Vdc	0.15μF	±20%	
GRM188R72A102JA01# NRND	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	100Vdc	1000pF	±5%	
GRM188R72A102KA01# NRND	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	100Vdc	1000pF	±10%	

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# Ceramic Capacitors(SMD)

Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R72A102MA01# NRND	125 °C max. Reflow OK Flow OK	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	100Vdc	1000pF	±20%	
GRM188R72A122JA01# NRND	125 °C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	100Vdc	1200pF	±5%	
GRM188R72A122KA01# NRND	125 °C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	100Vdc	1200pF	±10%	
GRM188R72A122MA01# NRND	125 °C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	100Vdc	1200pF	±20%	

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# Ceramic Capacitors(SMD)

Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R72A123JAC4# NRND	125 °C max. Reflow OK Flow OK	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	100Vdc	12000pF	±5%	
GRM188R72A123KAC4# NRND	125 °C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	100Vdc	12000pF	±10%	
GRM188R72A123MAC4# NRND	125 °C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	100Vdc	12000pF	±20%	
GRM188R72A152JA01# NRND	125 °C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	100Vdc	1500pF	±5%	

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# Ceramic Capacitors(SMD)

Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R72A152KA01# NRND	125 °C max. Reflow OK Flow OK	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	100Vdc	1500pF	±10%	
GRM188R72A152MA01# NRND	125 °C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	100Vdc	1500pF	±20%	
GRM188R72A153JAC4# NRND	125 °C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	100Vdc	15000pF	±5%	
GRM188R72A153KAC4# NRND	125 °C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	100Vdc	15000pF	±10%	

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# Ceramic Capacitors(SMD)

Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R72A153MAC4# NRND	125°C max. Reflow OK Flow OK	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	100Vdc	15000pF	±20%	
GRM188R72A182JA01# NRND	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	100Vdc	1800pF	±5%	
GRM188R72A182KA01# NRND	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	100Vdc	1800pF	±10%	
GRM188R72A182MA01# NRND	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	100Vdc	1800pF	±20%	

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# Ceramic Capacitors(SMD)

Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R72A183JAC4# NRND	125°C max. Reflow OK Flow OK	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	100Vdc	18000pF	±5%	
GRM188R72A183KAC4# NRND	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	100Vdc	18000pF	±10%	
GRM188R72A183MAC4# NRND	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	100Vdc	18000pF	±20%	
GRM188R72A221JA01# NRND	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	100Vdc	220pF	±5%	

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# Ceramic Capacitors(SMD)

Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R72A221KA01# NRND	125 °C max. Reflow OK Flow OK	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	100Vdc	220pF	±10%	
GRM188R72A221MA01# NRND	125 °C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	100Vdc	220pF	±20%	
GRM188R72A222JA01# NRND	125 °C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	100Vdc	2200pF	±5%	
GRM188R72A222KA01# NRND	125 °C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	100Vdc	2200pF	±10%	

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# Ceramic Capacitors(SMD)

Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R72A222MA01# NRND	125 °C max. Reflow OK Flow OK	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	100Vdc	2200pF	±20%	
GRM188R72A271JA01# NRND	125 °C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	100Vdc	270pF	±5%	
GRM188R72A271KA01# NRND	125 °C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	100Vdc	270pF	±10%	
GRM188R72A271MA01# NRND	125 °C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	100Vdc	270pF	±20%	

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# Ceramic Capacitors(SMD)

Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R72A272JA01# NRND	125 °C max. Reflow OK Flow OK	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	100Vdc	2700pF	±5%	
GRM188R72A272KA01# NRND	125 °C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	100Vdc	2700pF	±10%	
GRM188R72A272MA01# NRND	125 °C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	100Vdc	2700pF	±20%	
GRM188R72A331JA01# NRND	125 °C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	100Vdc	330pF	±5%	

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# Ceramic Capacitors(SMD)

Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R72A331KA01# NRND	125 °C max. Reflow OK Flow OK	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	100Vdc	330pF	±10%	
GRM188R72A331MA01# NRND	125 °C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	100Vdc	330pF	±20%	
GRM188R72A332JA01# NRND	125 °C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	100Vdc	3300pF	±5%	
GRM188R72A332KA01# NRND	125 °C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	100Vdc	3300pF	±10%	

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# Ceramic Capacitors(SMD)

Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R72A332MA01# NRND	125°C max. Reflow OK Flow OK	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	100Vdc	3300pF	±20%	
GRM188R72A391JA01# NRND	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	100Vdc	390pF	±5%	
GRM188R72A391KA01# NRND	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	100Vdc	390pF	±10%	
GRM188R72A391MA01# NRND	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	100Vdc	390pF	±20%	

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# Ceramic Capacitors(SMD)

Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R72A392KA01# NRND	125 °C max. Reflow OK Flow OK	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	100Vdc	3900pF	±10%	
GRM188R72A392MA01# NRND	125 °C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	100Vdc	3900pF	±20%	
GRM188R72A471JA01# NRND	125 °C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	100Vdc	470pF	±5%	
GRM188R72A471KA01# NRND	125 °C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	100Vdc	470pF	±10%	

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# Ceramic Capacitors(SMD)

Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R72A471MA01# NRND	125°C max. Reflow OK Flow OK	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	100Vdc	470pF	±20%	
GRM188R72A472KA01# NRND	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	100Vdc	4700pF	±10%	
GRM188R72A472MA01# NRND	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	100Vdc	4700pF	±20%	
GRM188R72A561JA01# NRND	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	100Vdc	560pF	±5%	

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# Ceramic Capacitors(SMD)

Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R72A561KA01# NRND	125 °C max. Reflow OK Flow OK	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	100Vdc	560pF	±10%	
GRM188R72A561MA01# NRND	125 °C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	100Vdc	560pF	±20%	
GRM188R72A562KA01# NRND	125 °C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	100Vdc	5600pF	±10%	
GRM188R72A562MA01# NRND	125 °C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	100Vdc	5600pF	±20%	

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# Ceramic Capacitors(SMD)

Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R72A681JA01# NRND	125 °C max. Reflow OK Flow OK	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	100Vdc	680pF	±5%	
GRM188R72A681KA01# NRND	125 °C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	100Vdc	680pF	±10%	
GRM188R72A681MA01# NRND	125 °C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	100Vdc	680pF	±20%	
GRM188R72A682KA01# NRND	125 °C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	100Vdc	6800pF	±10%	

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# Ceramic Capacitors(SMD)

Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R72A682MA01# NRND	125 °C max. Reflow OK Flow OK	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	100Vdc	6800pF	±20%	
GRM188R72A821JA01# NRND	125 °C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	100Vdc	820pF	±5%	
GRM188R72A821KA01# NRND	125 °C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	100Vdc	820pF	±10%	
GRM188R72A821MA01# NRND	125 °C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	100Vdc	820pF	±20%	

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# Ceramic Capacitors(SMD)

Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R72A822KA01# NRND	125 °C max. Reflow OK Flow OK	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	100Vdc	8200pF	±10%	
GRM188R72A822MA01# NRND	125 °C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	100Vdc	8200pF	±20%	
GRM188R72D102KW07# NRND	125 °C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	200Vdc	1000pF	±10%	
GRM188R72D152KW07# NRND	125 °C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	200Vdc	1500pF	±10%	

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# Ceramic Capacitors(SMD)

Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R72D221KW07# NRND	125 °C max. Reflow OK Flow OK	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	200Vdc	220pF	±10%	
GRM188R72D222KW07# NRND	125 °C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	200Vdc	220pF	±10%	
GRM188R72D331KW07# NRND	125 °C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	200Vdc	330pF	±10%	
GRM188R72D471KW07# NRND	125 °C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	200Vdc	470pF	±10%	

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# Ceramic Capacitors(SMD)

Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R72D681KW07# NRND	125°C max. Reflow OK Flow OK	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	200Vdc	680pF	±10%	
GRM188R70J103KA01# To be discontinued	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	6.3Vdc	10000pF	±10%	Please use alternative.
GRM188R70J104KA01# To be discontinued	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	6.3Vdc	0.1μF	±10%	Please use alternative.
GRM188R70J105KA01# To be discontinued	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	6.3Vdc	1μF	±10%	

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# Ceramic Capacitors(SMD)

Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R70J105MA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	6.3Vdc	1µF	±20%	
GRM188R70J223KA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	6.3Vdc	22000pF	±10%	
GRM188R70J473KA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	6.3Vdc	47000pF	±10%	
GRM188R71A105KA61# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	10Vdc	1µF	±10%	

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# Ceramic Capacitors(SMD)

Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R71A105MA61# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	10Vdc	1μF	±20%	
GRM188R71C102KA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	16Vdc	1000pF	±10%	Please use alternative.
GRM188R71C103JA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	16Vdc	10000pF	±5%	Please use alternative.
GRM188R71C103KA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	16Vdc	10000pF	±10%	Please use alternative.

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# Ceramic Capacitors(SMD)

Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R71C103MA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	16Vdc	10000pF	±20%	Please use alternative.
GRM188R71C104JA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	16Vdc	0.1µF	±5%	
GRM188R71C104KA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	16Vdc	0.1µF	±10%	
GRM188R71C104MA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	16Vdc	0.1µF	±20%	

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# Ceramic Capacitors(SMD)

Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R71C105KA12# <small>To be discontinued</small>	125 °C max.  	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	16Vdc	1µF	±10%	
GRM188R71C105KE15# <small>To be discontinued</small>	125 °C max.  	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	16Vdc	1µF	±10%	
GRM188R71C105MA12# <small>To be discontinued</small>	125 °C max.  	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	16Vdc	1µF	±20%	
GRM188R71C105ME15# <small>To be discontinued</small>	125 °C max.  	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	16Vdc	1µF	±20%	

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# Ceramic Capacitors(SMD)

Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R71C123JA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	16Vdc	12000pF	±5%	
GRM188R71C123KA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	16Vdc	12000pF	±10%	
GRM188R71C123MA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	16Vdc	12000pF	±20%	
GRM188R71C153JA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	16Vdc	15000pF	±5%	

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# Ceramic Capacitors(SMD)

Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R71C153KA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	16Vdc	15000pF	±10%	
GRM188R71C153MA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	16Vdc	15000pF	±20%	
GRM188R71C183JA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	16Vdc	18000pF	±5%	
GRM188R71C183KA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	16Vdc	18000pF	±10%	

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# Ceramic Capacitors(SMD)

Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R71C183MA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	16Vdc	18000pF	±20%	
GRM188R71C222KA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	16Vdc	2200pF	±10%	Please use alternative.
GRM188R71C223JA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	16Vdc	22000pF	±5%	
GRM188R71C223KA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	16Vdc	22000pF	±10%	

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# Ceramic Capacitors(SMD)

Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R71C223MA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	16Vdc	22000pF	±20%	
GRM188R71C273JA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	16Vdc	27000pF	±5%	
GRM188R71C273KA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	16Vdc	27000pF	±10%	
GRM188R71C273MA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	16Vdc	27000pF	±20%	

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# Ceramic Capacitors(SMD)

Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R71C333JA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	16Vdc	33000pF	±5%	
GRM188R71C333KA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	16Vdc	33000pF	±10%	
GRM188R71C333MA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	16Vdc	33000pF	±20%	
GRM188R71C393JA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	16Vdc	39000pF	±5%	

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# Ceramic Capacitors(SMD)

Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R71C393KA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	16Vdc	39000pF	±10%	
GRM188R71C393MA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	16Vdc	39000pF	±20%	
GRM188R71C472KA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	16Vdc	4700pF	±10%	Please use alternative.
GRM188R71C473JA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	16Vdc	47000pF	±5%	

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# Ceramic Capacitors(SMD)

Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R71C473KA01# <small>To be discontinued</small>	125 °C max.  	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	16Vdc	47000pF	±10%	
GRM188R71C473MA01# <small>To be discontinued</small>	125 °C max.  	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	16Vdc	47000pF	±20%	
GRM188R71C563JA01# <small>To be discontinued</small>	125 °C max.  	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	16Vdc	56000pF	±5%	
GRM188R71C563KA01# <small>To be discontinued</small>	125 °C max.  	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	16Vdc	56000pF	±10%	

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# Ceramic Capacitors(SMD)

Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R71C563MA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	16Vdc	56000pF	±20%	
GRM188R71C683JA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	16Vdc	68000pF	±5%	
GRM188R71C683KA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	16Vdc	68000pF	±10%	
GRM188R71C683MA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	16Vdc	68000pF	±20%	

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# Ceramic Capacitors(SMD)

Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R71C823JA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	16Vdc	82000pF	±5%	
GRM188R71C823KA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	16Vdc	82000pF	±10%	
GRM188R71C823MA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	16Vdc	82000pF	±20%	
GRM188R71E102JA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	1000pF	±5%	Please use alternative.

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# Ceramic Capacitors(SMD)

Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R71E102KA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	1000pF	±10%	Please use alternative.
GRM188R71E102MA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	1000pF	±20%	Please use alternative.
GRM188R71E103JA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	10000pF	±5%	
GRM188R71E103KA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	10000pF	±10%	

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# Ceramic Capacitors(SMD)

Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R71E103MA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	10000pF	±20%	
GRM188R71E104JA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	0.1μF	±5%	
GRM188R71E104KA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	0.1μF	±10%	
GRM188R71E104MA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	0.1μF	±20%	

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# Ceramic Capacitors(SMD)

Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R71E105KA12# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	1μF	±10%	
GRM188R71E105MA12# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	1μF	±20%	
GRM188R71E112JA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	1100pF	±5%	Please use alternative.
GRM188R71E112KA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	1100pF	±10%	Please use alternative.

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# Ceramic Capacitors(SMD)

Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R71E112MA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	1100pF	±20%	Please use alternative.
GRM188R71E122JA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	1200pF	±5%	Please use alternative.
GRM188R71E122KA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	1200pF	±10%	Please use alternative.
GRM188R71E122MA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	1200pF	±20%	Please use alternative.

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# Ceramic Capacitors(SMD)

Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R71E123JA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	12000pF	±5%	
GRM188R71E123KA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	12000pF	±10%	
GRM188R71E123MA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	12000pF	±20%	
GRM188R71E132JA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	1300pF	±5%	Please use alternative.

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# Ceramic Capacitors(SMD)

Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R71E132KA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	1300pF	±10%	Please use alternative.
GRM188R71E132MA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	1300pF	±20%	Please use alternative.
GRM188R71E133JA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	13000pF	±5%	
GRM188R71E133KA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	13000pF	±10%	

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# Ceramic Capacitors(SMD)

Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R71E133MA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	13000pF	±20%	
GRM188R71E152JA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	1500pF	±5%	Please use alternative.
GRM188R71E152KA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	1500pF	±10%	Please use alternative.
GRM188R71E152MA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	1500pF	±20%	Please use alternative.

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# Ceramic Capacitors(SMD)

Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R71E153JA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	15000pF	±5%	
GRM188R71E153KA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	15000pF	±10%	
GRM188R71E153MA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	15000pF	±20%	
GRM188R71E162JA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	1600pF	±5%	Please use alternative.

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# Ceramic Capacitors(SMD)

Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R71E162KA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	1600pF	±10%	Please use alternative.
GRM188R71E162MA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	1600pF	±20%	Please use alternative.
GRM188R71E163JA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	16000pF	±5%	
GRM188R71E163KA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	16000pF	±10%	

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# Ceramic Capacitors(SMD)

Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R71E163MA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	16000pF	±20%	
GRM188R71E182JA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	1800pF	±5%	Please use alternative.
GRM188R71E182KA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	1800pF	±10%	Please use alternative.
GRM188R71E182MA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	1800pF	±20%	Please use alternative.

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# Ceramic Capacitors(SMD)

Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R71E183JA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	18000pF	±5%	
GRM188R71E183KA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	18000pF	±10%	
GRM188R71E183MA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	18000pF	±20%	
GRM188R71E202JA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	2000pF	±5%	Please use alternative.

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# Ceramic Capacitors(SMD)

Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R71E202KA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	2000pF	±10%	Please use alternative.
GRM188R71E202MA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	2000pF	±20%	Please use alternative.
GRM188R71E203JA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	20000pF	±5%	
GRM188R71E203KA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	20000pF	±10%	

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# Ceramic Capacitors(SMD)

Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R71E203MA01# <small>To be discontinued</small>	125 °C max. Reflow OK Flow OK	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	20000pF	±20%	
GRM188R71E222JA01# <small>To be discontinued</small>	125 °C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	2200pF	±5%	Please use alternative.
GRM188R71E222KA01# <small>To be discontinued</small>	125 °C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	2200pF	±10%	Please use alternative.
GRM188R71E222MA01# <small>To be discontinued</small>	125 °C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	2200pF	±20%	Please use alternative.

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# Ceramic Capacitors(SMD)

Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R71E223JA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	22000pF	±5%	
GRM188R71E223KA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	22000pF	±10%	
GRM188R71E223MA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	22000pF	±20%	
GRM188R71E242JA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	2400pF	±5%	Please use alternative.

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# Ceramic Capacitors(SMD)

Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R71E242KA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	2400pF	±10%	Please use alternative.
GRM188R71E242MA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	2400pF	±20%	Please use alternative.
GRM188R71E272JA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	2700pF	±5%	Please use alternative.
GRM188R71E272KA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	2700pF	±10%	Please use alternative.

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# Ceramic Capacitors(SMD)

Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R71E272MA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	2700pF	±20%	Please use alternative.
GRM188R71E273JA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	27000pF	±5%	
GRM188R71E273KA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	27000pF	±10%	
GRM188R71E273MA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	27000pF	±20%	

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# Ceramic Capacitors(SMD)

Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R71E302JA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	3000pF	±5%	Please use alternative.
GRM188R71E302KA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	3000pF	±10%	Please use alternative.
GRM188R71E302MA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	3000pF	±20%	Please use alternative.
GRM188R71E332JA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	3300pF	±5%	Please use alternative.

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# Ceramic Capacitors(SMD)

Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R71E332KA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	3300pF	±10%	Please use alternative.
GRM188R71E332MA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	3300pF	±20%	Please use alternative.
GRM188R71E333JA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	33000pF	±5%	
GRM188R71E333KA01# <small>To be discontinued</small>	125°C max. Reflow OK Flow OK	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	33000pF	±10%	

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# Ceramic Capacitors(SMD)

Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R71E333MA01# <small>To be discontinued</small>	125 °C max.	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	33000pF	±20%	
GRM188R71E362JA01# <small>To be discontinued</small>	125 °C max.	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	3600pF	±5%	
GRM188R71E362KA01# <small>To be discontinued</small>	125 °C max.	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	3600pF	±10%	
GRM188R71E362MA01# <small>To be discontinued</small>	125 °C max.	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	3600pF	±20%	

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# Ceramic Capacitors(SMD)

Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R71E392JA01# <small>To be discontinued</small>	125 °C max.  	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	3900pF	±5%	
GRM188R71E392KA01# <small>To be discontinued</small>	125 °C max.  	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	3900pF	±10%	
GRM188R71E392MA01# <small>To be discontinued</small>	125 °C max.  	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	3900pF	±20%	
GRM188R71E393JA01# <small>To be discontinued</small>	125 °C max.  	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	39000pF	±5%	

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# Ceramic Capacitors(SMD)

Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R71E393KA01# <small>To be discontinued</small>	125 °C max.  	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	39000pF	±10%	
GRM188R71E393MA01# <small>To be discontinued</small>	125 °C max.  	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	39000pF	±20%	
GRM188R71E432JA01# <small>To be discontinued</small>	125 °C max.  	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	4300pF	±5%	
GRM188R71E432KA01# <small>To be discontinued</small>	125 °C max.  	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	4300pF	±10%	

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# Ceramic Capacitors(SMD)

Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R71E432MA01# <small>To be discontinued</small>	125 °C max.  	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	4300pF	±20%	
GRM188R71E472JA01# <small>To be discontinued</small>	125 °C max.  	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	4700pF	±5%	
GRM188R71E472KA01# <small>To be discontinued</small>	125 °C max.  	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment,		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	4700pF	±10%	
GRM188R71E472MA01# <small>To be discontinued</small>	125 °C max.  	Automotive Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	4700pF	±20%	

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# Ceramic Capacitors(SMD)

Part Number	Characteristic	Specific Applications	Appearance	Length	Width	Thickness	Temperature characteristics	Rated Voltage	Capacitance	Tolerance of capacitance	Notes
GRM188R71E473JA01# <small>to be discontinued</small>	125°C max. Reflow OK Flow OK	Consumer equipment, Industrial Equipment, Mobile Electronics, Medical equipment [GHTF A/B/C] except for implant equipment, Automotive		1.6 ±0.1mm	0.8 ±0.1mm	0.8 ±0.1mm	X7R(EIA)	25Vdc	47000pF	±5%	

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