

LQH31HZ54NK03#

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"#"at the end indicates the package specification code.

Size Code 3216 (1206) in mm (in inch), Ferrite Core High Frequency Wound Type

















< List of part numbers with package codes > LQH31HZ54NK03K LQH31HZ54NK03L



Applications

Unsuitable	Please be sure to read and comply with	
Applications	these "Precautions for use."	
Specific Applications	Consumer equipment, Automotive infotainment/comfort equipment, Medical equipment [GHTF A/B/C] except for implant & surgery & auto injector, Industrial equipment except for transportation & facility & energy equipment Please refer to Our Website and specifications, etc. for information about the performance, functions, quality, management, and safety required for the above applications, and use Products after confirming the performance and reliability of the actual Product.	
Recommended	Automotive infotainment/comfort	
Applications	equipment	



Appearance & Shape





References

Packaging	Specifications	Standard Packing Quantity
K	330Embossed Tape	7500
L	180Embossed Tape	2000

Mass (typ.)	
1 piece	0.029g

1 of 3

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Specifications

W size 1.6±0.2mm T size 1.8±0.2mm Size code inch (mm) 1206 (3216) Inductance 54nH±10% Inductance Test Frequency 1MHz Rated current (Itemp) (Based on Temperature rise) Max. of DC resistance 0.0455Ω DC resistance 0.035Ω±30% Operating Temperature Range(Self-temperature rise is not included) Class of magnetic shield Non-Shielded Q(min.) Q Test Frequency 100MHz Self resonance frequency (min.) Brand Murata		
T size 1.8±0.2mm Size code inch (mm) 1206 (3216) Inductance 54nH±10% Inductance Test Frequency 1MHz Rated current (Itemp) (Based on Temperature rise) 920mA Max. of DC resistance 0.0455Ω DC resistance 0.035Ω±30% Operating Temperature Range(Self-temperature rise is not included) Class of magnetic shield Non-Shielded Q(min.) 50 Q Test Frequency 100MHz Self resonance frequency (min.) Brand Murata	L size	3.2±0.3mm
Size code inch (mm) 1206 (3216) Inductance 54nH±10% Inductance Test Frequency 1MHz Rated current (Itemp) 920mA (Based on Temperature rise) 0.0455Ω Max. of DC resistance 0.035Ω±30% DC resistance -40°C to 85°C is not included) Non-Shielded Class of magnetic shield Non-Shielded Q(min.) 50 Q Test Frequency 100MHz Self resonance frequency (min.) 800MHz Brand Murata	W size	1.6±0.2mm
Inductance 54nH±10% Inductance Test Frequency 1MHz Rated current (Itemp) 920mA (Based on Temperature rise) 920mA Max. of DC resistance 0.0455Ω DC resistance 0.035Ω±30% Operating Temperature -40°C to 85°C is not included) Non-Shielded Class of magnetic shield Non-Shielded Q(min.) 50 Q Test Frequency 100MHz Self resonance frequency (min.) 800MHz Brand Murata	T size	1.8±0.2mm
Inductance Test Frequency Rated current (Itemp) (Based on Temperature rise) Max. of DC resistance DC resistance 0.0455Ω DC resistance 0.035Ω±30% Operating Temperature Range(Self-temperature rise is not included) Class of magnetic shield Non-Shielded Q(min.) Q Test Frequency Self resonance frequency (min.) Brand Murata	Size code inch (mm)	1206 (3216)
Rated current (Itemp) 920mA (Based on Temperature rise) 0.0455Ω Max. of DC resistance 0.035Ω±30% DC resistance 0.035Ω±30% Operating Temperature -40°C to 85°C is not included) Non-Shielded Class of magnetic shield Non-Shielded Q(min.) 50 Q Test Frequency 100MHz Self resonance frequency (min.) 800MHz Brand Murata	Inductance	54nH±10%
(Based on Temperature rise) 920mA Max. of DC resistance 0.0455Ω DC resistance 0.035Ω±30% Operating Temperature -40°C to 85°C Range(Self-temperature rise is not included) -40°C to 85°C Class of magnetic shield Non-Shielded Q(min.) 50 Q Test Frequency 100MHz Self resonance frequency (min.) 800MHz Brand Murata	Inductance Test Frequency	1MHz
DC resistance 0.035Ω±30% Operating Temperature Range(Self-temperature rise is not included) Class of magnetic shield Q(min.) Q Test Frequency Self resonance frequency (min.) Brand O.035Ω±30% -40°C to 85°C IONA 100MHz 800MHz Murata	Rated current (Itemp) (Based on Temperature rise)	920mA
Operating Temperature Range(Self-temperature rise is not included) Class of magnetic shield Q(min.) Q Test Frequency Self resonance frequency (min.) Brand A0°C to 85°C -40°C to 85°C 100MHz 800MHz	Max. of DC resistance	0.0455Ω
Range(Self-temperature rise is not included) Class of magnetic shield Q(min.) Q Test Frequency Self resonance frequency (min.) Brand A0°C to 85°C -40°C to 85°C Non-Shielded Non-Shielded 800MHz Murata	DC resistance	0.035Ω±30%
Q(min.) 50 Q Test Frequency 100MHz Self resonance frequency (min.) 800MHz Brand Murata		-40°C to 85°C
Q Test Frequency 100MHz Self resonance frequency (min.) Brand Murata	Class of magnetic shield	Non-Shielded
Self resonance frequency (min.) Brand Murata	Q(min.)	50
(min.) Brand Murata	Q Test Frequency	100MHz
	Self resonance frequency (min.)	800MHz
Series LQH31HZ_03	Brand	Murata
	Series	LQH31HZ_03

2 of 3

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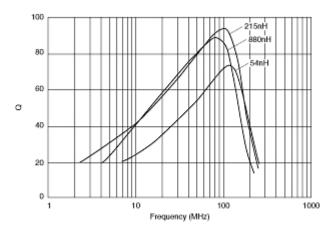
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Characteristic Data



Q-Frequency Characteristics

3 of 3

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