Note: This datasheet may be out of date.

Please download the latest datasheet of GRM155D70G106ME18# from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-gb/products/productdetail?partno=GRM155D70G106ME18%23

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Product Search Data Sheet

GRM155D70G106ME18#

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

| In Production | RoHS | REACH | 125°C max. | Reflow OK | Derating 1 |

< List of part numbers with package codes >

GRM155D70G106ME18D   GRM155D70G106ME18J

Applications

Unsuitable Applications	Please be sure to read and comply with these "Precautions for use."
Specific Applications	Consumer equipment,Industrial Equipment,Mobile Electronics,Medical equipment [GHTF A/B/C] except for implant equipment,Automotive infotainment/comfort 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.

Appearance & Shape

Notices

Derating1

References

Packaging	Specifications	Standard Packing Quantity
D	φ180mm Reel Paper Tape	10000
J	φ330mm Reel Paper Tape	40000

Mass (typ.)	
1 piece	3.1mg

Attention

1.This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.

2.This datasheet has only typical specifications because there is no space for detailed specifications.

Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.
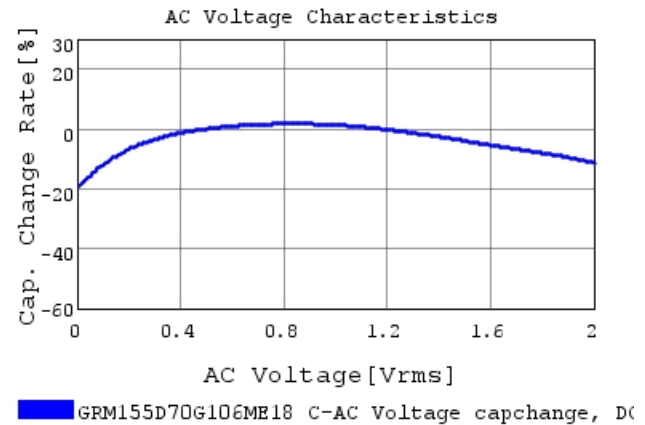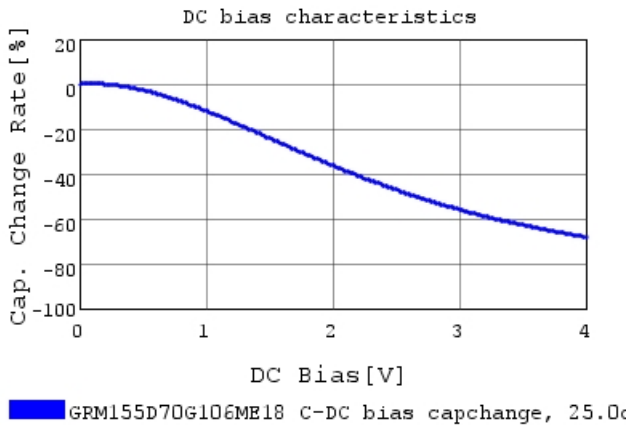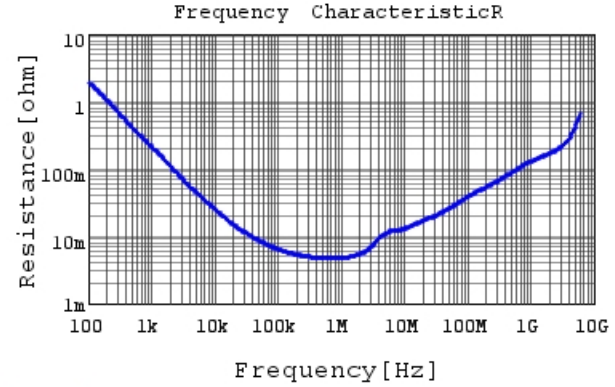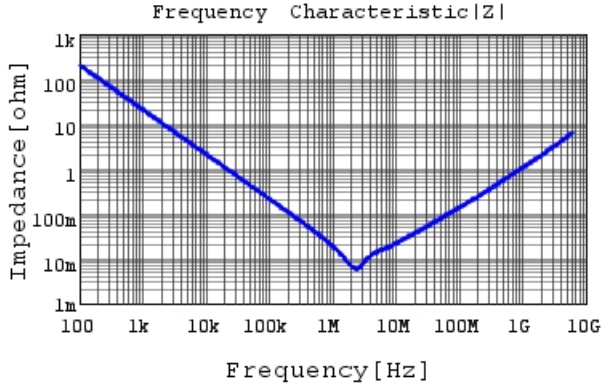
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URL : https://www.murata.com/

Last updated05/17/2024

GRM155D70G106ME18#

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

Specifications

Length	1.0±0.2mm
Width	0.5±0.2mm
Thickness	0.5±0.2mm
Capacitance	10µF ±20%
Distance between external terminals g	0.3mm min.
External terminal size e	0.15 to 0.35mm
Operating Temperature Range	-55℃ to 125℃
Rated Voltage	4Vdc
Size code in inch(mm)	0402 (1005M)
Capacitance change rate	+22.0/-33.0%
Temperature characteristics (complied standard)	X7T(EIA)
Temperature range of temperature characteristics	-55℃ to 125℃

URL : https://www.murata.com/

Last updated05/17/2024

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GRM155D70G106ME18#

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

Characteristic Data

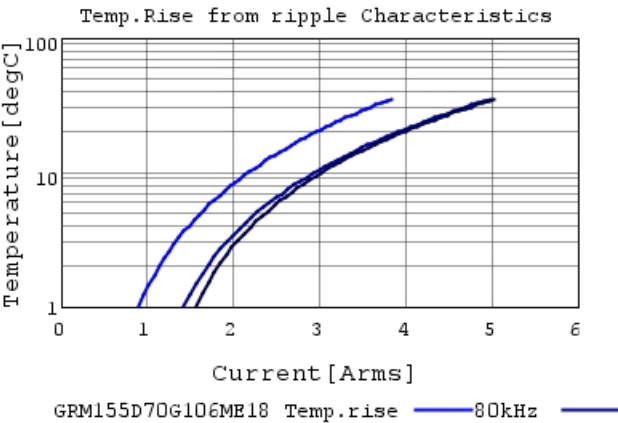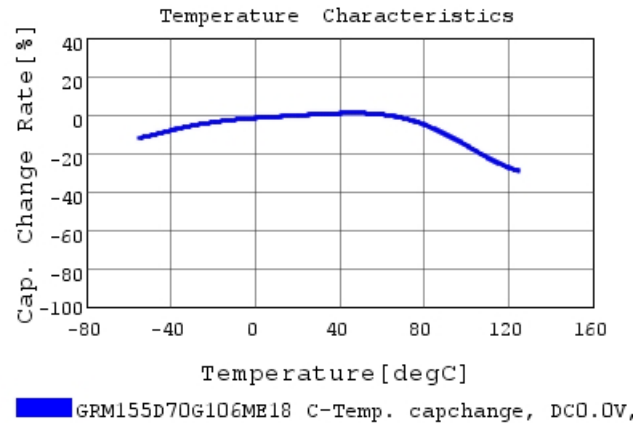The charts below may show another part number which shares its characteristics.

Frequency Characteristic|Z|

GRM155D70G106ME18 |Z| DC0V,25degC

Frequency CharacteristicR

GRM155D70G106ME18 R DC0V,25degC

DC bias characteristics

GRM155D70G106ME18 C-DC bias capchange, 25.0c

AC Voltage Characteristics

GRM155D70G106ME18 C-AC Voltage capchange, DC

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GRM155D70G106ME18#

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

GRM155D70G106ME18 C-Temp. capchange, DC0.0V,

GRM155D70G106ME18 Temp.rise — 80kHz —