muRata
INNOVATOR IN ELECTRONICS

Product Search Data Sheet

Note: If you have not downloaded this document from our official website, please note that the information provided may not be the most current.
Please download the latest datasheet of GRM188Z71C225KE43# from the official website of Murata
http://www.murata.com/en-us/products/productdetail?partno=GRM188Z71C225KE43%23

GRM188Z71C225KE43#

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

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

< List of part numbers with package codes >

GRM188Z71C225KE43D   GRM188Z71C225KE43W   GRM188Z71C225KE43J
GRM188Z71C225KE43V

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.

Notices

Temperature characteristic : Range of capacitance change rate is specified with 50% of rated voltage.

References

Packaging	Specifications	Standard Packing Quantity
D	φ180mm Reel Paper Tape	4000
W	φ180mm Reel W8P2 Paper Tape	8000
J	φ330mm Reel Paper Tape	10000
V	φ330mm Reel W8P2 Paper Tape	30000

Mass (typ.)	
1 piece	9.1mg

Appearance & Shape

![muRata - INNOVATOR IN ELECTRONICS]

GRM188Z71C225KE43#

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

Specifications

Length	1.6±0.2mm
Width	0.8±0.2mm
Thickness	0.8±0.2mm
Capacitance	2.2µF ±10%
Distance between external terminals g	0.6mm min.
External terminal size e	0.2 to 0.55mm
Operating Temperature Range	-55℃ to 125℃
Rated Voltage	16Vdc
Size code in inch(mm)	0603 (1608M)
Capacitance change rate	±15.0%
Temperature characteristics (complied standard)	X7R(Murata)
Temperature range of temperature characteristics	-55℃ to 125℃

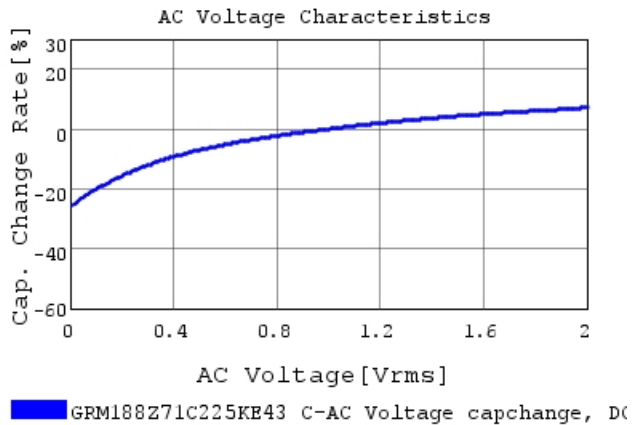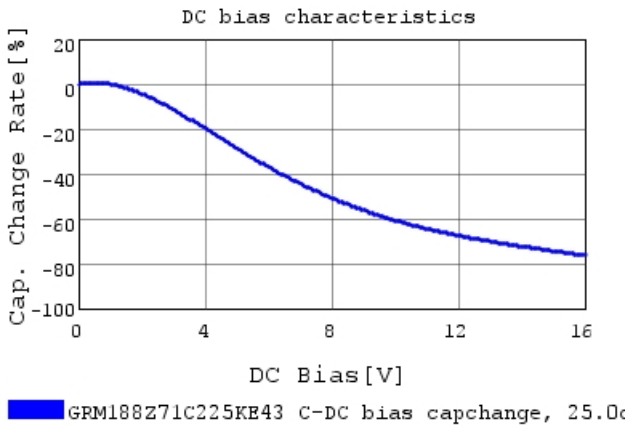**URL : https://www.murata.com/**

Last updated06/02/2024

GRM188Z71C225KE43#

"#"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|

GRM188Z71C225KE43 |Z| DCOV,25degC

Frequency CharacteristicR

GRM188Z71C225KE43 R DCOV,25degC

DC bias characteristics

GRM188Z71C225KE43 C-DC bias capchange, 25.0c

AC Voltage Characteristics

GRM188Z71C225KE43 C-AC Voltage capchange, DC

3 of 4

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.
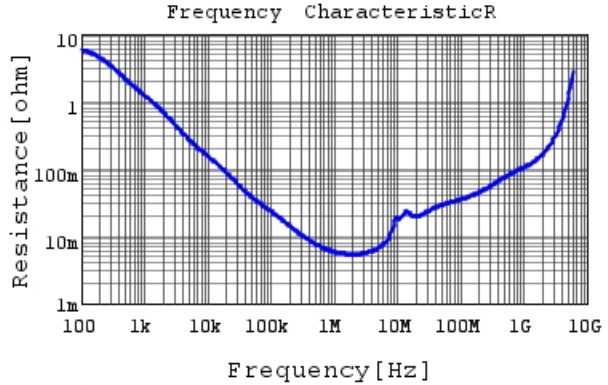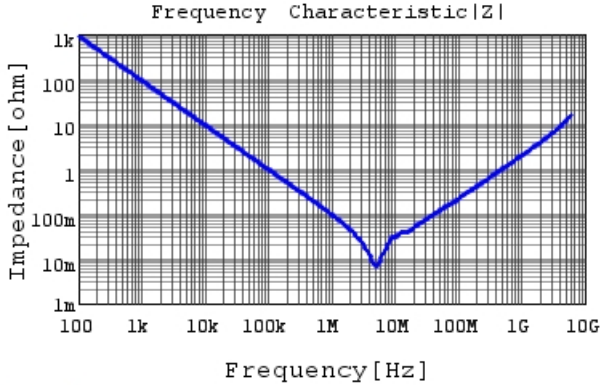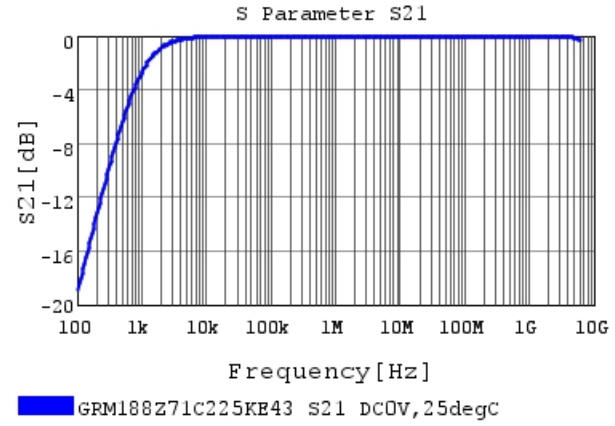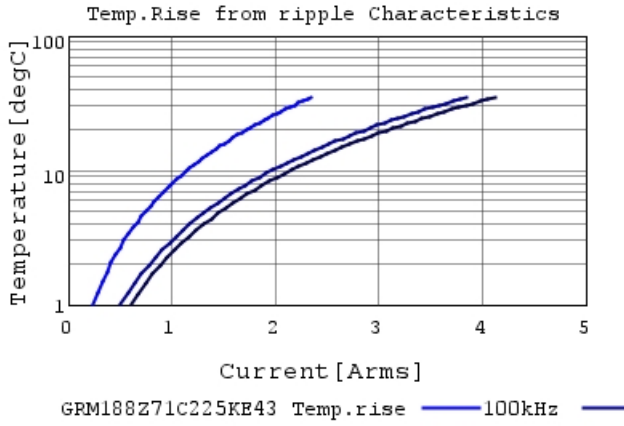
![muRata INNOVATOR IN ELECTRONICS]

GRM188Z71C225KE43#

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

GRM188Z71C225KE43 Temp.rise ——— 100kHz ———

GRM188Z71C225KE43 S21 DC0V,25degC

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.

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

Last updated06/02/2024