muRata INNOVATOR IN ELECTRONICS

Product Search Data Sheet

Note: This datasheet may be out of date.
Please download the latest datasheet of PRG15BC2R2MM1RC from the official website of Murata Manufacturing Co., Ltd.

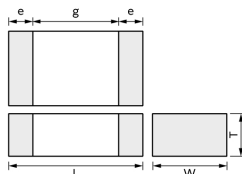http://www.murata.com/en-gb/products/productdetail?partno=PRG15BC2R2MM1RC

PRG15BC2R2MM1RC

In Production | Recommended | RoHS | REACH

Applications

Unsuitable Applications	Please be sure to read and comply with these "Precautions for use."
Specific Applications	Mobile Electronics,Consumer equipment,Industrial 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

Part Number	Dimensions (mm)				
	L	W	T	e	g
PRG03_RL	0.60±0.05	0.30±0.05	0.30±0.05	0.10 to 0.20	–
PRG15_RC	1.0±0.05	0.5±0.05	0.5±0.05	0.15 to 0.40	–
PRG18_RB	1.6±0.15	0.8±0.15	0.8±0.15	0.1 to 0.6	–
PRG21_RA	2.0±0.2	1.25±0.2	0.9±0.2	0.2 min.	0.5 min.
PRG21_RK	2.0±0.2	1.25±0.2	1.25±0.2	0.2 min.	0.5 min.

Packaging Information

Packaging	Specifications	Standard Packing Quantity
RC	180mm Paper Tape	10000

Features

1. Rapid operation to protect the circuit in an overcurrent condition abnormality such as a short circuit.
   By removing the overcurrent condition, these products automatically return to the initial condition and can be used repeatedly.
2. Suitable for countermeasure to short circuit test in safety standard
3. Stable resistance after operation due to ceramic PTC
4. Similar size (0603 size) is possible due to the large capacity for electric power.
5. Possible to use these products as current limiting resistors with overcurrent protection functions
6. SMD type is helpful for miniaturizing circuits because of its small size and light weight
7. UL/cULcertified product.(UL1434, File No. E137188)

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Specifications

Max. Voltage	6V
Hold Current(25℃)	134mA
Hold Current (2)	56mA
Measure Condition of Hold Current (2)	(at +85℃)
Trip Current(25℃)	252mA
Trip Current(2)	335mA
Measure Condition of Trip Current(2)	(at -20℃)
Max. Current	3500mA
Resistance (25℃)	2.2Ω
Resistance Value Tolerance (at 25℃)	±20%
Curie Point(typ.)	90℃
Operating Temperature Range	-20℃ to 85℃
Size Code (in mm)	1.0x0.5mm
Size Code (in inch)	0.4x0.2inch
Shape	SMD
Mass	0.001g
MSL	1

> Glossary of PTC thermistors

> Related documents (UL, RoHS, etc.)

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.
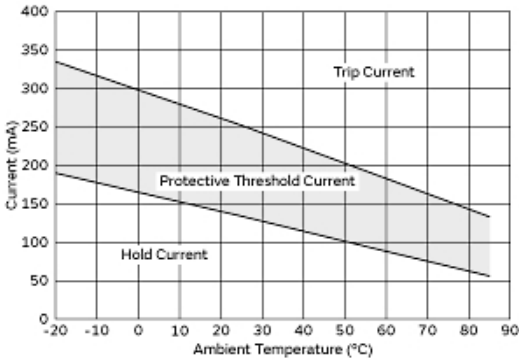Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

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

Last updated 04/29/2024

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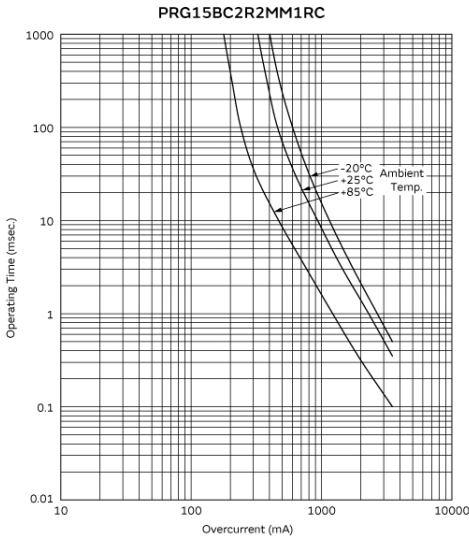
PRG15BC2R2MM1RC

Product Data

Resistance-Temperature Charac.

Protective Threshold Current Range

Operating Time (Typical Curve)

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