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PRF03BC102QS7RL

In Production | Recommended | New | AEC-Q200 | RoHS | REACH

Applications

Unsuitable Applications	Please be sure to read and comply with these "Precautions for use."
Specific Applications	Automotive infotainment/comfort equipment,Automotive [Ask Murata] 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.

Packaging Information

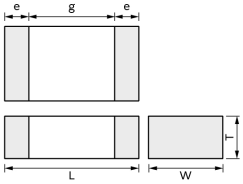
Packaging	Specifications	Standard Packing Quantity
RL	180mm Paper Tape	15000

Features

1. SMD type is helpful for miniaturizing circuits because of its small size and light weight.
2. Excellent thermal response due to small size
3. Solid-state construction provides excellent mechanical vibration and impact resistance.
4. Contactless operation provides noiseless operation.
5. Lead is not contained in the terminations.

Appearance & Shape





Part Number	Dimensions (mm)				
	L	W	T	e	g
PRF03_RL	0.6±0.05	0.3±0.05	0.3±0.05	0.1 to 0.2	-
PRF15_RC	1.0±0.05	0.5±0.05	0.5±0.05	0.1 to 0.4	0.3 min.
PRF18_RB	1.6±0.15	0.8±0.15	0.8±0.15	0.1 to 0.6	-
PRF21_RA	2.0±0.2	1.25±0.2	0.9±0.2	0.2 min.	0.5 min.

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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PRF03BC102QS7RL

Specifications

Max. Voltage	32V
Sensing Temperature	105℃
Sensing Temperature Tolerance	±5℃
Measure Condition of Sensing Temperature	at 10k ohm
Resistance (25℃)	1kΩ
Resistance Value Tolerance (at 25℃)	±50%
Operating Temperature Range	-40℃ to 150℃
Size Code (in mm)	0.6x0.3mm
Size Code (in inch)	0.2x0.1inch
Shape	SMD
Mass	0.00026g
MSL	1

- Glossary of PTC thermistors
- Related documents (UL, RoHS, etc.)

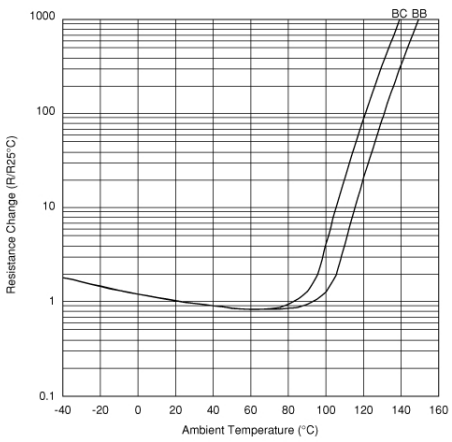
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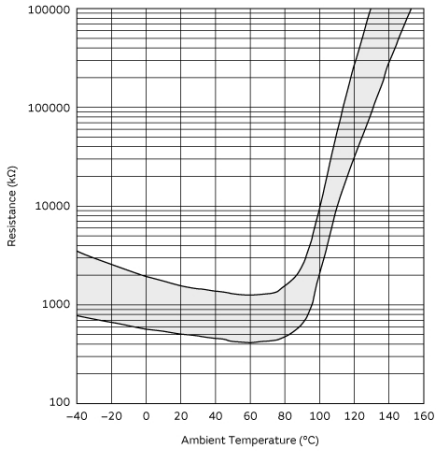
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PRF03BC102QS7RL

Product Data



Resistance-Temperature Characteristics



Resistance-Temperature Characteristics Range (Reference)

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