BLM18KG300TZ1#

"#" indicates a package specification code.

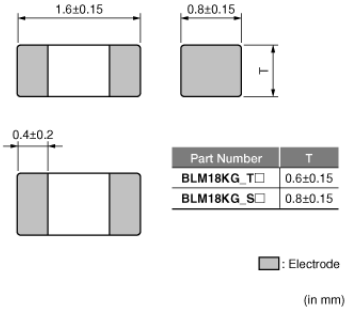
In Production | Recommended | RoHS | REACH | AEC-Q200

< List of part numbers with package codes >

BLM18KG300TZ1B BLM18KG300TZ1J BLM18KG300TZ1D

Appearance & Shape





Part Number	T
BLM18KG_T□	0.6±0.15
BLM18KG_S□	0.8±0.15

Features

The chip ferrite beads BLM series is designed to function nearly as a resistor at noise frequencies, which greatly reduces the possibility of resonance and leaves signal wave forms undistorted.
BLM series is effective in circuits without stable ground lines because BLM series does not need a connection to ground.
The nickel barrier structure of the external electrodes provides excellent solder heat resistance.
BLM_K series can be used in high current circuits due to its low DC resistance. It can match power lines to a maximum of 6ADC.

Applications

Automotive Usage	Infotainment

Packaging Information

Packaging	Specifications	Minimum Order Quantity
B	Bulk(Bag)	1000
D	180mm Paper Tape	4000
J	330mm Paper Tape	10000

Attention
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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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Specifications

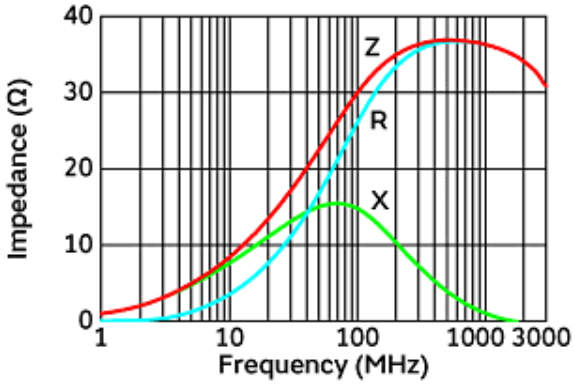
Shape	SMD
Size Code (in mm)	1608
Size Code (in inch)	0603
Length	1.6mm
Length Tolerance	±0.15mm
Width	0.8mm
Width Tolerance	±0.15mm
Thickness	0.6mm
Thickness Tolerance	±0.15mm
Rated Current	5.0A
Operating Temperature Range	-55℃ to 125℃
Mass(typ.)	0.004g
Number of Circuit	1
DC Resistance(max.)	0.01Ω
Impedance (at 100MHz)	30Ω
Impedance (at 100MHz) Tolerance	±25%

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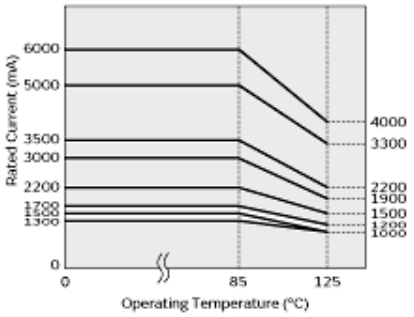
Product Data



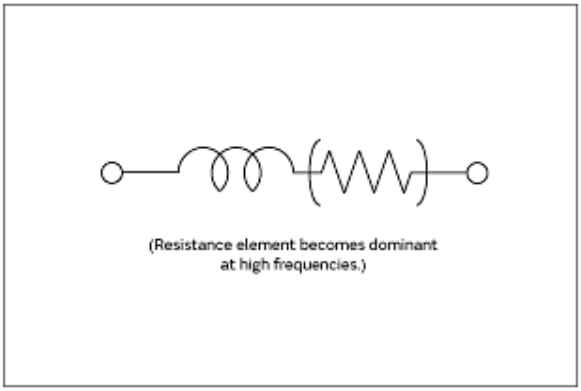
Impedance-Frequency Characteristics

In operating temperature exceeding +85°C, derating of current is necessary for BLM18KG series.
Please apply the derating curve shown in chart according to the operating temperature.

Derating of Rated Current



Derating of Rated Current



Equivalent Circuit

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