BLM18SN220TN1#

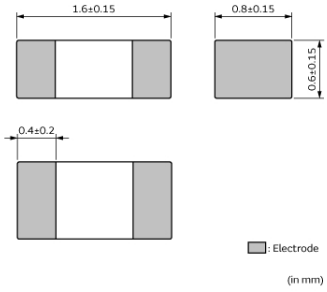
"#" indicates a package specification code.

In Production RoHS REACH

< List of part numbers with package codes >

BLM18SN220TN1B BLM18SN220TN1D

Appearance & Shape



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.
BLM18SN series can be used in high current circuits due to its low DC resistance.
It can match power lines to a maximum of 8ADC.

Applications

Other Usage	For general

Packaging Information

Packaging	Specifications	Standard Packing Quantity
B	Bulk(Bag)	1000
D	180mm Paper Tape	4000

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Specifications

Shape	SMD
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
Operating Temperature Range	-55℃ to 125℃
Mass(typ.)	0.004g
Number of Circuit	1
Rated Current (at 85℃)	8A
Rated Current (at 125℃)	5A
DC Resistance(max.)	0.004Ω
Impedance (at 100MHz)	22Ω
Impedance (at 100MHz) Tolerance	±7Ω
Size Code (in mm)	1608

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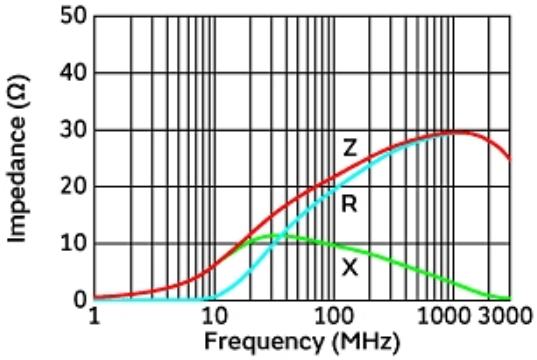
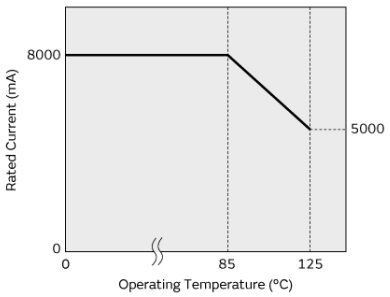
Product Data



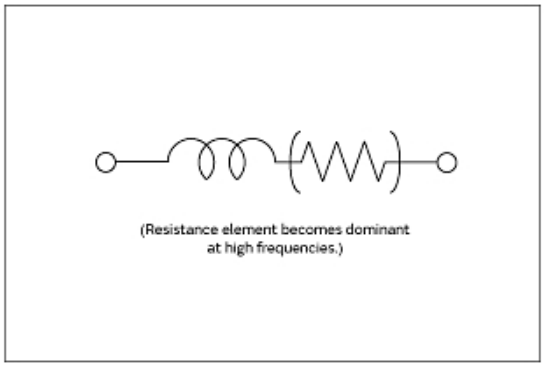
Impedance-Frequency Characteristics

In operating temperature exceeding +85°C, derating of current is necessary for BLM18SN series.
Please apply the derating curve shown in chart according to the operating temperature.

Derating of Rated Current



Derating of Rated Current



Equivalent Circuit