

On-Board Type (DC) EMI Suppression Filters (EMIFIL®)



Chip Ferrite Beads BLM02/03/15/18/21/31/41 Series

■ Features (BLM_A Series)

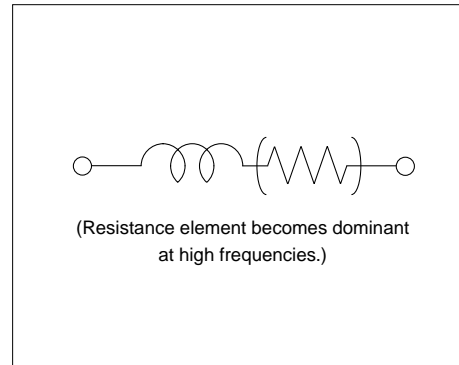
The chip ferrite beads BLM series is designed to function nearly as a resistor at noise frequencies, which greatly reduces the possibility of resonance and leaves signal wave forms undistorted.

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_A series generates an impedance from the relatively low frequencies. Therefore BLM_A series is effective in noise suppression in a wide frequency range (30MHz to several hundred MHz).

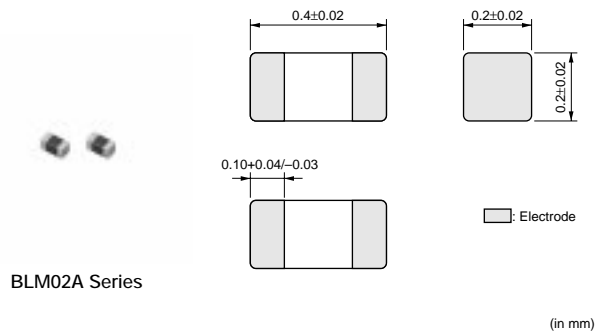
The small size of BLM02A series (0.4x0.2mm) is suitable for noise suppression in small equipment such as PA modules for cellular phones.

■ Equivalent Circuit



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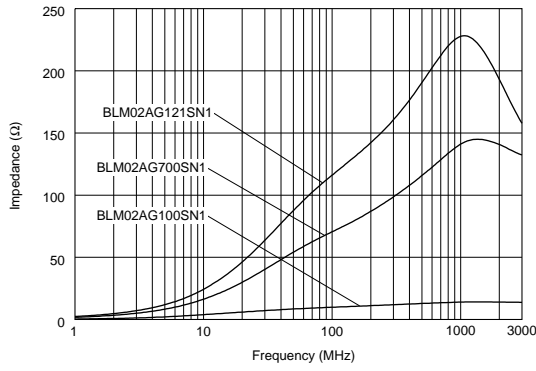
BLM02A Series (01005 Size)



Part Number	Impedance (at 100MHz/20°C) (ohm)	Rated Current (mA)	DC Resistance (max.) (ohm)	Operating Temperature Range (°C)
BLM02AG100SN1	10 (Typ.)	500	0.1	-55 to +125
BLM02AG700SN1	70 ±25%	250	0.5	-55 to +125
BLM02AG121SN1	120 ±25%	200	0.8	-55 to +125

■ Impedance - Frequency (Typical)

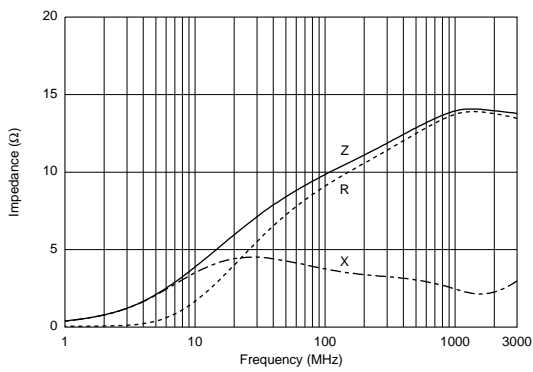
BLM02A Series



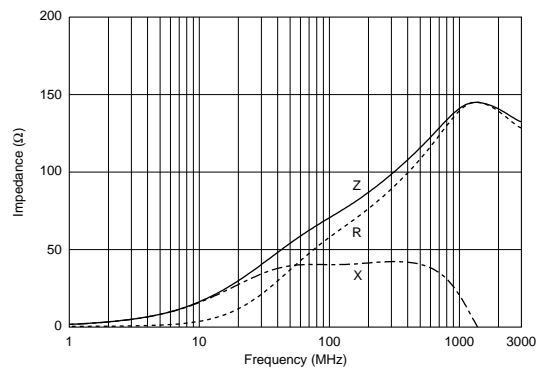
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■ Impedance - Frequency Characteristics

BLM02AG100SN1



BLM02AG700SN1



BLM02AG121SN1

