



The BLM□□P Series ferrite beads offer high frequency noise suppression with the capability of handling large currents for DC power line applications.

### FEATURES

- Suitable high frequency noise suppression over wide frequency range
- Current rating up to 6 AMPS
- Small package size—EIA STD 0603/0805/1206 and 1806
- Nickel barrier terminations provide excellent solder heat resistance
- Low DCR

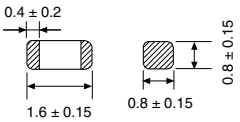
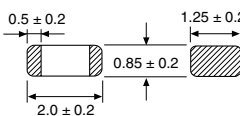
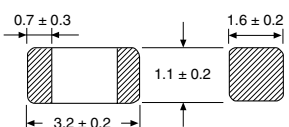
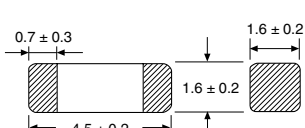
### APPLICATIONS

- High current DC power lines
- Circuits where a stable ground is unavailable

### PART NUMBERING SYSTEM

<b>BLM</b>	<b>21</b>	<b>P</b>	<b>220</b>	<b>SG</b>	<b>PT</b>
CHIP FERRITE SERIES	SIZE 11: 1.6 x 0.8mm 21: 2.0 x 1.25mm 31: 3.2 x 1.6mm 41: 4.5 x 1.6mm	POWER P: Power	IMPEDANCE CODE at 100MHz 300: 30 ohms 750: 75 ohms	CHARACTERISTICS	PACKAGING PB: Bulk PT: Tape 7" Reel PT1: 13" Reel

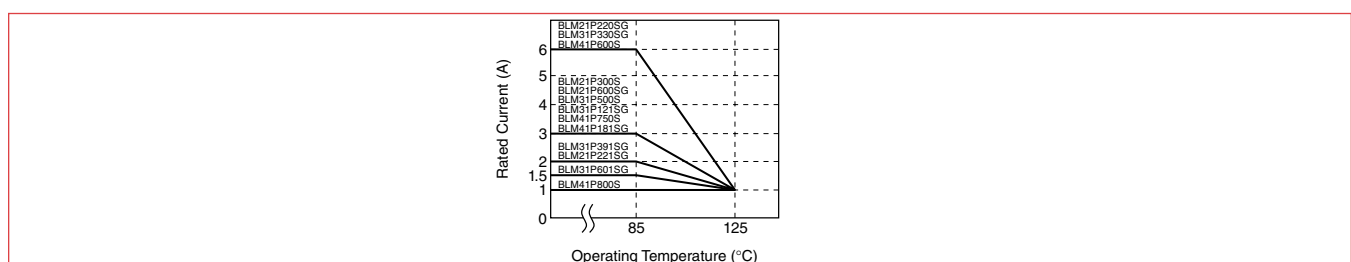
### SPECIFICATIONS

Dimensions: mm	Part Number	Impedance (Ohms) Typ. at 100MHz	Rated Current (mA)	DCR (Ohms max.)	Operating Temperature Range
<b>0603</b> 	★BLM11P300S	30	1000	0.06	-55°C ~ +125°C*
	★BLM11P600S	60	500	0.10	
<b>0805</b> 	★BLM21P220SG	22	6000*	0.025	
	★BLM21P300S	30	3000*		
	★BLM21P600SG	60			
	★BLM21P221SG	220	2000*	0.05	
	★BLM21P331SG	330	1500*	0.09	
<b>1206</b> 	★BLM31P330SG	33	6000*	0.025	
	★BLM31P500S	50	3000*		
	★BLM31P121SG	120			
	★BLM31P391SG	390	2000*	0.05	
	★BLM31P601SG	600	1500*	0.09	
<b>1806</b> 	★BLM41P600S	60	6000*	0.01	
	★BLM41P750S	75	3000*	0.025	
	★BLM41P800S	80	1000*	0.10	
	★BLM41P181SG	180	3000*	0.025	
	★BLM41P471SG	470	2000*	0.015	
	★BLM41P102SG	1000	1500*	0.09	

\*Available as standard through authorized Murata Electronics Distributors.

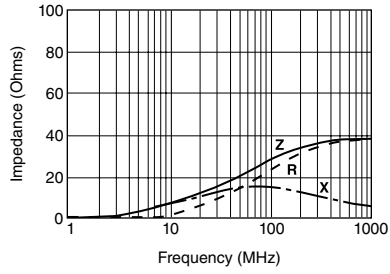
\*See Derating Curve.

### DERATING CURVE

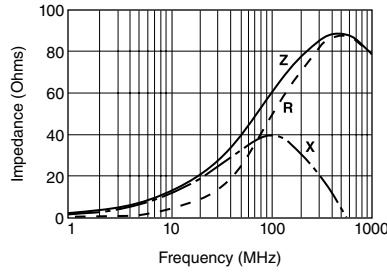


### TYPICAL IMPEDANCE CHARACTERISTICS

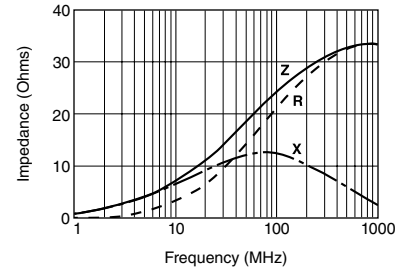
**BLM11P300S**



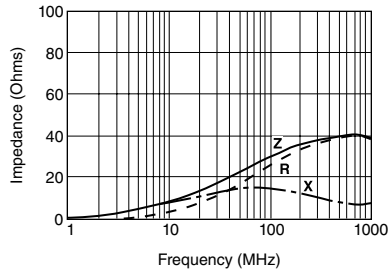
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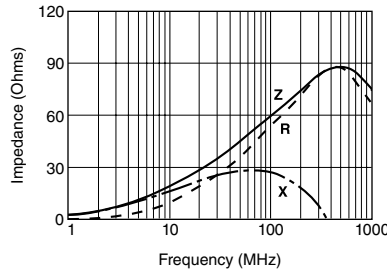
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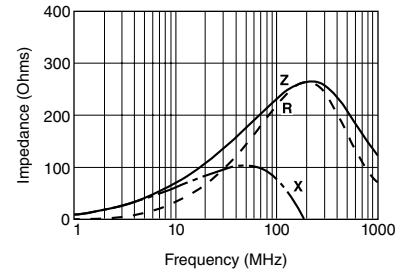
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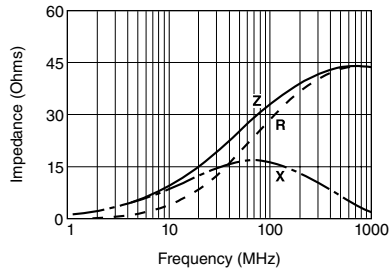
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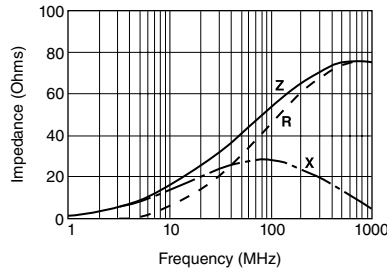
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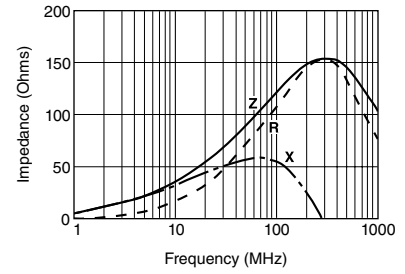
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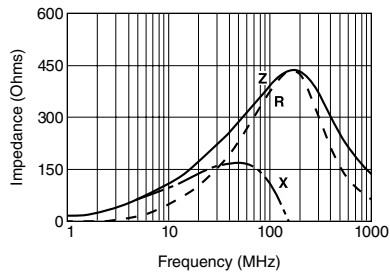
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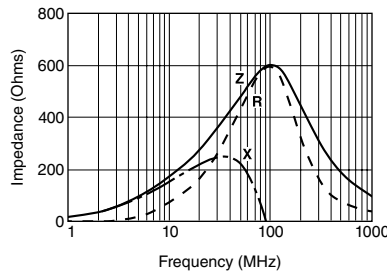
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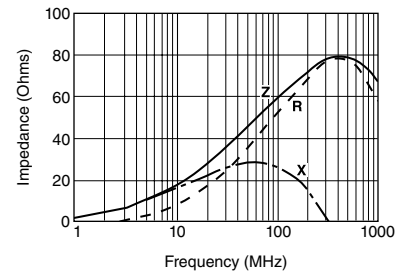
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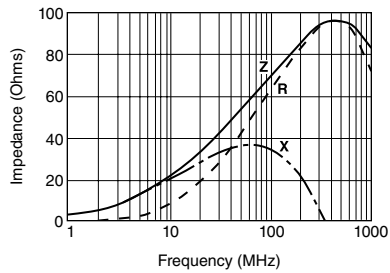
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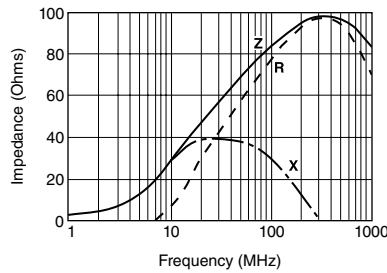
**BLM41P600S**



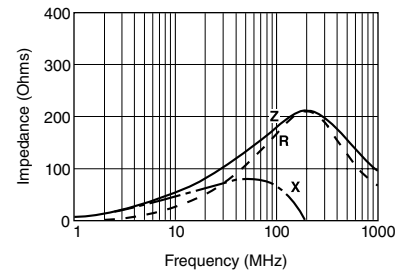
**BLM41P750S**



**BLM41P800S**



**BLM41P181SG**



SURFACE MOUNT  
EMI FILTERS