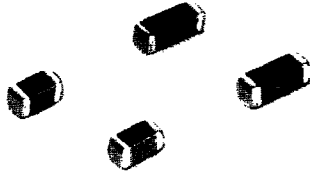


# EMI SUPPRESSION FILTERS SURFACE MOUNT FERRITE CHIPS



## BLM21, BLM31, & BLM41 Series

This new series of solid, ferrite chips for surface mount applications is designed to reduce the possibility of spurious oscillation in high frequency amplifying circuits and operate effectively from several MHz to several hundreds of MHz. Because of their small size, they are mountable on 2.5 mm c-c pitch thus saving considerable PCB space.



### FEATURES

- Surface mountable on 2.5 mm pitch
- No stray capacitance to 1 GHz
- Wide temperature range:  $-55^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$
- Effective noise suppression to several hundreds of MHz
- Prevents oscillation in HF amplifiers
- Nickel barrier for solder heat resistance
- Suitable for both flow and reflow soldering applications

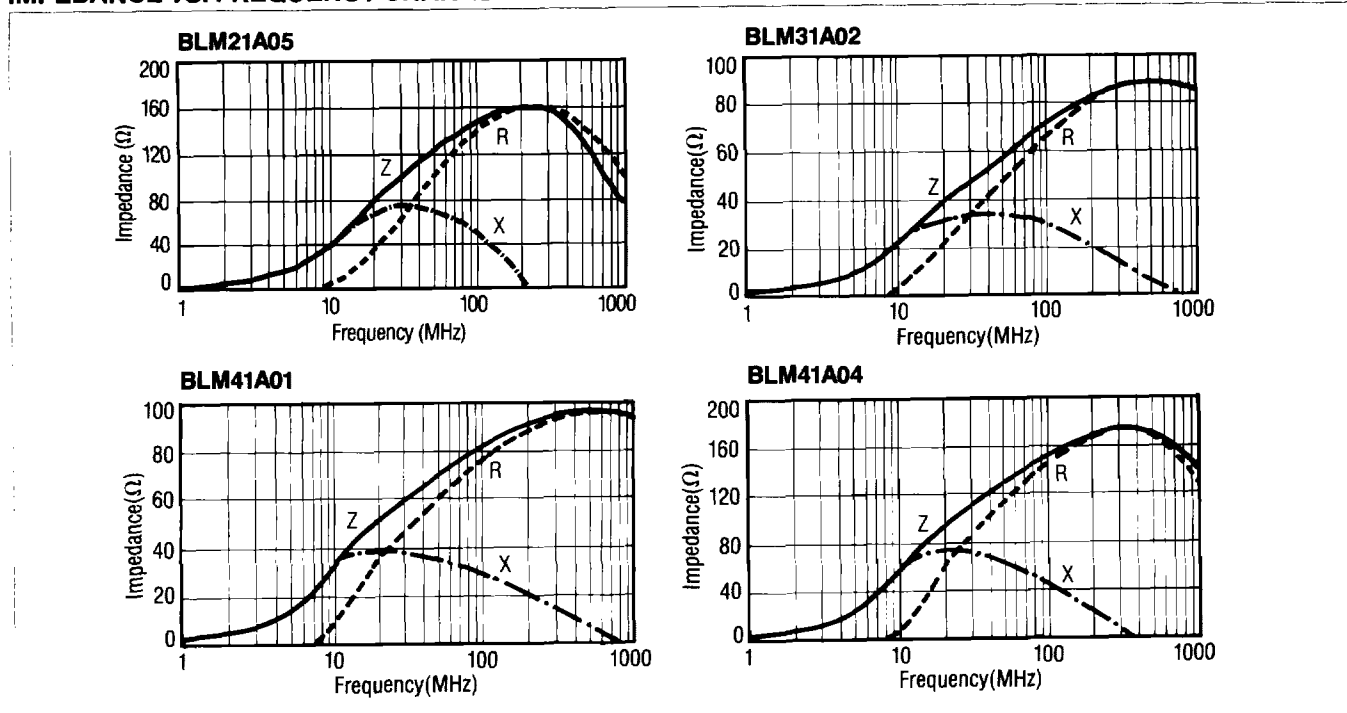
### DIMENSIONS: in. (mm)

### ELECTRICAL CHARACTERISTICS

Part Number*	Characteristics			
	Impedance ( $\Omega$ ) (Typ.) at 100MHz	Rated Current (mA)	DC Resistance ( $\Omega$ max.)	
	BLM21A05	120	200	0.6
	BLM21B03	5 (27 @ 1GHz)	500	0.2
	BLM31A02	70	200	0.5
		BLM41A01	80	500
BLM41A04		150	200	0.7

\*Suffix = PB = Bulk, Suffix = PT = Tape & Reel

### IMPEDANCE VS. FREQUENCY CHARACTERISTICS



All values are standard through authorized Murata Erie Distributors.