

BROADBAND EMI SUPPRESSION CORE BC-MS201 SERIES

Applications:

- NiZn Ferrite
- Broadband Frequency choking (20-300Mhz)
- High Frequency Common Mode Chokes
- Flat/round Cable EMI suppression cores

Electrical Characteristics

Frequency	Typical Impedance (Ohm)
10Mhz	40
25Mhz	70
100Mhz	125
250Mhz	152

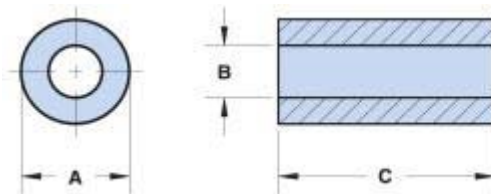
Ferrite Material Constants

Specific Heat	0.25 cal/g/°C
Thermal Conductivity	0.01 cal/sec/cm/°C
Coe. Of Linear Expansion	$8 \times 10^{-6} - 10 \times 10^{-6} / ^\circ\text{C}$
Tensile Strength	4.9 kgf/mm ²
Compressive Strength	42kgf/mm ²
Young's Modulus	15000 kgf/mm ²
Hardness (knoop)	650
Specific Gravity	~4.7g/cm ³

Ferrite Material Characteristics

Initial Permeability @ B< 10 gauss	800
Flux Density B@ H = 10 oersted	2900 Gauss
Residual Flux Density	1300 Gauss
Coercive Force	0.45 oersted
Loss Factor@ 1.0 Mhz	250×10^{-6}
Temp Coefficient of Initial Permeability (20-70 °C)	1.25 %/°C
Curie Temperature	> 130 °C
Resistivity	$1 \times 10^5 \text{ Ohm}^* \text{ cm}$

SHAPE and DIMENSIONS (Unit: mm)



Dimension	Unit(mm)
A	10 ± 0.50
B	4.3 ± 0.50
C	23.20 ± 0.50