Low Frequency EMI Suppression Core
BC-LS203 SERIES

Applicatons:

- MnZn Ferrite
- Lower Frequency choking (1-300Mhz)
- Lower Frequency Common Mode Chokes
- Round Cable EMI suppression cores

Electrical Characteristics

Frequency	Typical Impedance (Ohm)
1 Mhz	25
5 Mhz	75
10Mhz	100
25Mhz	170
100Mhz	280
250Mhz	250

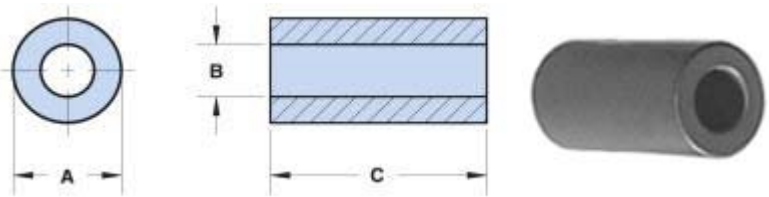
Ferrite Material Constants

Specific Heat	0.25 cal/g/°C
Thermal Conductivity	0.01 cal/sec/cm/°C
Coe. Of Linear Expension	$8x10^{-6}$ - $10x10^{-6}$ /°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	1500
Flux Density B@ H = 5 oersted	3400 Gauss
Residual Flux Density	2400 Gauss
Coercive Force	0.35 oersted
Loss Factor@ 0.1 Mhz	$20x10^{-6}$
Temp Coefficient of Initial Permeability (20-70 °C)	1.6 %/°C
Curie Temperature	> 130 °C
Resistivity	$3x10^5$ Ohm* cm

SHAPE and DIMENSIONS (Unit: mm)



Dimension	Unit(mm)
A	16 ± 0.50
B	5.10 ± 0.50
C	36.00 ± 0.50

JWC Technology, Inc. 544 N. Frederick Ave., Gaithersburg, MD 20877
Phone: (571)278-5495 Fax: (571)278-5490
Email: sales@jwctech.com www.jwctech.com