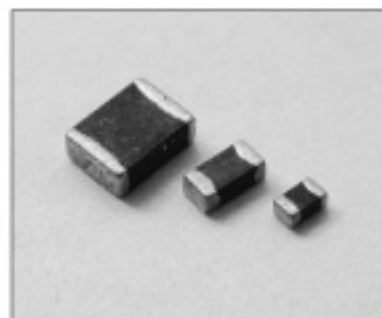


SMD MULTILAYER CHIP BEAD (SEM TYPE)

FERRITE

PRODUCT IDENTIFICATION

SEM □□ □□ □□ - □□□□ □
(A) (B) (C)



Packaging style: B=Bulk T=Tape & Reel

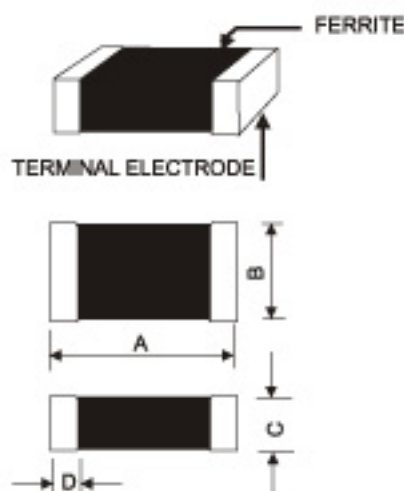
Impedance : abc=abx10³ Ω

Material Code: U.Z.B.G

Dimensions: Length (A)xWidth(B)xThickness(C)

Product Symbol: Multilayer Chip Beads.

SHAPE AND DIMENSION



MATERIAL CHARACTERISTICS

ITEM	UNIT	STANDARD VALUE			
Material code	—	B	U	Z	G
Initial permeability μ iac	—	45	200	500	110
Maximum permeability μ iac	—	125	450	900	250
Saturation Flux Density at 10 Oe	Gauss	2000	1400	1500	1700
Curie Temperature	°C	>200	>130	>100	>130
Volume Resistivity	Ω·m	10 ⁵	10 ⁵	10 ⁵	10 ⁵
Temperature Coefficient	10 ⁵ /°C	10	13	5	12
Density	g/cm ³	4.8	4.8	4.8	4.8

Dimensions in mm(inch)

TYPE	A	B	C	D
SEM453215 (1812)	4.5±0.2 (0.177±0.008)	3.2±0.2 (0.126±0.008)	1.5±0.2 (0.059±0.008)	0.5±0.3 (0.020±0.012)
SEM451616 (1806)	4.5±0.2 (0.177±0.008)	1.6±0.2 (0.063±0.008)	1.6±0.2 (0.063±0.008)	0.5±0.3 (0.020±0.012)
SEM322513 (1210)	3.2±0.2 (0.126±0.008)	2.5±0.2 (0.098±0.008)	1.3±0.2 (0.051±0.008)	0.5±0.3 (0.020±0.012)
SEM321616 (1206)	3.2±0.2 (0.126±0.008)	1.6±0.2 (0.063±0.008)	1.6±0.2 (0.063±0.008)	0.5±0.3 (0.020±0.012)
SEM361611 (1206)	3.2±0.2 (0.126±0.008)	1.6±0.2 (0.063±0.008)	1.1±0.2 (0.043±0.008)	0.5±0.3 (0.020±0.012)
SEM201209 (0805)	2.0±0.2 (0.079±0.008)	1.2±0.2 (0.047±0.008)	0.9±0.2 (0.035±0.008)	0.5±0.3 (0.020±0.012)
SEM160808 (0603)	1.6±0.2 (0.063±0.008)	0.8±0.2 (0.031±0.008)	0.8±0.2 (0.031±0.008)	0.5±0.3 (0.020±0.012)
SEM100505 (0402)	1.0±0.1 (0.039±0.008)	0.5±0.1 (0.019±0.008)	0.5±0.1 (0.019±0.008)	0.25±0.1 (0.010±0.005)