

HS102090G

OD : 102

Electrical Characteristics

Material	Permeability (μ)	AL \pm 8% (nH/N ²)	DCB (% min) @ 60 Oe	Coreloss (mW/cm ³ , max) @50kHz, 1000G
HS	90	48	61.6	0



Core Dimensions

Dimensions		Uncoated		Coated		Color	Packaging
		(mm)	(inch)	(mm)	(inch)		
OD	(Max)	10.16	0.400	10.80	0.425	Black	Box Qty = 8,000 pcs
ID	(min)	5.08	0.200	4.57	0.180		
HT	(max)	3.96	0.156	4.57	0.180		

Physical Characteristics

Cross Section (A)	Path Length (l)	Window Area (Wa)	Volume (V)	Breakdown Voltage (Vac)
0.100 cm ²	2.38 cm	0.16 cm ²	0.238 cm ³	1,000
0.016 in ²	0.94 in	32,366 cmil	0.015 in ³	

Winding Information

0% Winding length/turn (cm)		
1.537		
40% winding factor Surface Area (cm ²)		
4.85		
40% Wound Di.(mm)		
OD	ID	HT
11.91	2.99	5.91

Typical DC Bias Performance

