

HS127090G

Electrical Characteristics

Material	Permeability (μ)	AL \pm 8% (nH/N ²)	DCB (% min) @ 60 Oe	Coreloss (mW/cm ³ , max) @ 50kHz, 1000G
HS	90	38	61.6	300

OD : 127



Core Dimensions

Dimensions		Uncoated		Coated		Color	Packaging
		(mm)	(inch)	(mm)	(inch)		
OD	(Max)	12.70	0.500	13.46	0.530	Black	Box Qty = 4,000 pcs
ID	(min)	7.62	0.300	6.99	0.275		
HT	(max)	4.75	0.187	5.51	0.217		

Physical Characteristics

Cross Section (A)	Path Length (l)	Window Area (Wa)	Volume (V)	Breakdown Voltage (Vac)
0.114 cm ²	3.12 cm	0.38 cm ²	0.356 cm ³	1,000
0.018 in ²	1.23 in	75,587 cmil	0.022 in ³	

Winding Information

0% Winding length/turn (cm)		
1.749		
40% winding factor Surface Area (cm ²)		
8.00		
40% Wound Di.(mm)		
OD	ID	HT
15.18	4.57	7.58

Typical DC Bias Performance

