

# CH102147G

## Electrical Characteristics

Material	Permeability ( $\mu$ )	AL $\pm$ 8% (nH/N <sup>2</sup> )	DCB (% min) @ 20 Oe	Coreloss (mW/cm <sup>3</sup> , max) @ 50kHz, 1000G
High Flux	147	78	82.80	350

OD : 102



## 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)
0.1000 cm <sup>2</sup>	2.38 cm	0.1640 cm <sup>2</sup>	0.2380 cm <sup>3</sup>	1,000
0.01550 in <sup>2</sup>	0.937 in	32,366 cmil	0.0145 in <sup>3</sup>	

## Winding Information

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

## Typical DC Bias Performance

