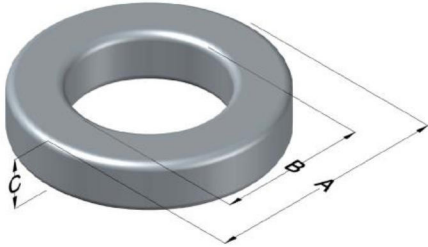




# C058410A2

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High Flux Permeability ( $\mu$ )	$A_L$ (nH/T <sup>2</sup> )	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
125	70 ± 8%	XXXXXX	410	X	Khaki

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	6.86	0.270	7.49	0.295	max	Bulk Pack 4 bags/box Box Qty= 10,000 pcs
ID (B)	3.96	0.156	3.45	0.136	min	
HT (C)	5.08	0.200	5.72	0.225	max	

Electrical Characteristics			Physical Characteristics						
Watt Loss @ 100 kHz, 100mT max (mW/cm <sup>3</sup> )	DC Bias min (oersteds)		Voltage Breakdown wire to wire min (V <sub>AC</sub> )	Break Strength min (kg)	Window Area W <sub>A</sub> (mm <sup>2</sup> )	Cross Section A <sub>e</sub> (mm <sup>2</sup> )	Path Length L <sub>e</sub> (mm)	Volume V <sub>e</sub> (mm <sup>3</sup> )	Weight (g)
	80%	50%							
1000	46.0	81.0	1250	10.0	9.35	7.25	16.5	120	0.9400

Winding Information					Temperature Rating	
Winding Length Per Turn				Wound Coil Dimensions (mm)		Curie Temp: 500°C
Winding Factor	(mm)	Winding Factor	(mm)	40% Winding Factor		Coating Temp (Continuous up to): 200°C
				OD	8.06	
				HT	6.84	Notes:
				Max OD	9.6	
				Max HT	10.0	
0%	15.5	40%	17.3	Surface Area (mm <sup>2</sup> )		
20%	16.4	45%	17.5	Unwound Core		
25%	16.6	50%	17.8	40% Winding Factor		
30%	16.8	60%	18.3			
35%	17.0	70%	18.9			

## Typical DC Bias Performance

