



**0078350A7**

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XFLUX Permeability ( $\mu$ )	A <sub>L</sub> (nH/T <sup>2</sup> )	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
125	105 ± 8%	XXXXXX	78350A7	N/A	Brown

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	23.57	0.928	24.33	0.958	max	Bulk Pack 4 bags/box Box Qty= 720 pcs
ID (B)	14.40	0.567	13.77	0.542	min	
HT (C)	8.89	0.350	9.65	0.380	max	

Electrical Characteristics			Physical Characteristics						
Watt Loss @ 50 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%							
700	32.0	60.0	2000	47.0	149	38.8	58.8	2,280	16.8

Winding Information					Temperature Rating	
Winding Length Per Turn				Wound Coil Dimensions (mm)		Curie Temp: 700°C
Winding Factor	(mm)	Winding Factor	(mm)	40% Winding Factor		Coating Temp (Continuous up to): 200°C
				OD	26.7	
				HT	14.2	Notes:
				Completely Full Window		
				Max OD	33.5	
				Max HT	21.4	
0%	29.8	40%	36.9	Surface Area (mm <sup>2</sup> )		
20%	33.4	45%	38.0	Unwound Core		
25%	34.2	50%	38.9	40% Winding Factor		
30%	35.0	60%	41.1			
35%	36.1	70%	43.6			

**Typical DC Bias Performance**

