



**0078059A7**

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XFLUX Permeability ( $\mu$ )	$A_L$ (nH/T <sup>2</sup> )	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
60	43 ± 8%	XXXXXX	78059A7	N/A	Brown

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	22.86	0.900	23.62	0.930	max	Bulk Pack 4 bags/box Box Qty= 1000 pcs
ID (B)	13.97	0.550	13.34	0.525	Min	
HT (C)	7.62	0.300	8.38	0.330	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%							
725	80.0	150	>3000	39.0	139	31.7	56.7	1,800	13

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	25.7	
				HT	12.4	Notes:
				Completely Full Window		
				Max OD	32.6	
0%	27.0	40%	33.9	Max HT	19.8	
20%	30.5	45%	34.9	Surface Area (mm <sup>2</sup> )		
25%	31.3	50%	35.9	Unwound Core		1,600
30%	32.0	60%	38.0	40% Winding Factor		2,400
35%	33.1	70%	40.4			

**Typical DC Bias Performance**

