



**0078212A7X3**

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XFlux Permeability ( $\mu$ )	$A_L$ (nH/T <sup>2</sup> )	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
40	150 $\pm$ 8%	XXXXXX	78212A7X3	N/A	Brown

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	57.15	2.250	58.34	2.297	max	Cardboard cut-outs Box Qty = TBD
ID (B)	35.56	1.400	34.15	1.344	min	
HT (C)	41.91	1.650	43.55	1.715	max	

Electrical Characteristics			Physical Characteristics						
Watt Loss @ 50kHz, 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)
	850	80%							
	120	230	3000	107.0	916	433	143.0	62,000	453

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	OD	65.5
					HT	54.4
0%	111	40%	129	Completely Full Window	Max OD	69.1
20%	120	45%	131		Max HT	68.8
25%	122	50%	134	Surface Area (mm <sup>2</sup> )		
30%	124	60%	139	Unwound Core	16,000	
35%	127	70%	145	40% Winding Factor	21,000	
Coating Temp (Continuous up to): 200°C						
Notes:						

