



# C058224A2

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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	
90	52 ± 8%	XXXXXX	58224A2	X	Khaki

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	16.59	0.653	17.27	0.680	max	Bulk Pack 4 bags/box Box Qty= 2000 pcs
ID (B)	10.16	0.400	9.53	0.375	min	
HT (C)	6.35	0.250	7.11	0.280	max	

Electrical Characteristics			Physical Characteristics						
Watt Loss @ 100kHz, 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%							
950	60	110	1250	23.0	71.3	19.2	41.2	793	5.31

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	OD	19.3
					HT	10.1
0%	22.0	40%	26.9	Completely Full Window	Max OD	20.3
20%	24.4	45%	27.6		Max HT	14.1
25%	25.0	50%	28.3	Surface Area (mm <sup>2</sup> )		
30%	25.5	60%	29.8	Unwound Core		920
35%	26.3	70%	31.5	40% Winding Factor		1,300
Coating Temp (Continuous up to): 200°C						
Notes:						

