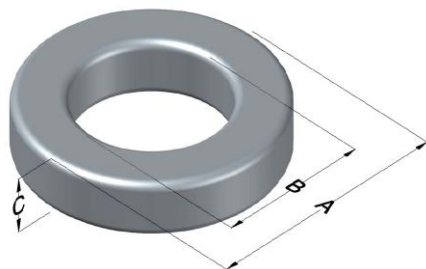




0058589A2

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High Flux Permeability (μ)	A_L (nH/T ²)	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
90	57 $\pm$ 8%	XXXXXX	58589A2	N/A	Khaki

Dimensions	Uncoated		Coated Limits			Packaging Cardboard cut-outs Box Qty= 300 pcs
	(mm)	(in)	(mm)	(in)		
OD (A)	34.29	1.350	35.18	1.385	max	
ID (B)	23.37	0.920	22.56	0.888	min	
HT (C)	8.89	0.350	9.78	0.385	max	

Electrical Characteristics			Physical Characteristics						
Watt Loss @ 100 kHz, 100 mT max (mW/cm ³)	DC Bias min (oersteds)		Voltage Breakdown wire to wire min (V _{AC})	Break Strength min (kg)	Window Area W _a (mm ²)	Cross Section A _e (mm ²)	Path Length L _e (mm)	Volume V _e (mm ³)	Est. Weight (g)
950	80%	50%	3000	53	399	46.4	89.5	4,150	32.7
	60	110							

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	Coating Temp (Continuous up to): 200°C	
					HT		
0%	32.2	40%	43.9	Completely Full Window	Max OD	Notes:	
					Max HT		
20%	38.1	45%	45.7	Surface Area (mm ²)			
25%	39.5	50%	47.2				
30%	40.7	60%	50.8	Unwound Core	2,900		
35%	42.5	70%	55.0	40% Winding Factor	5,100		

Typical DC Bias Performance

