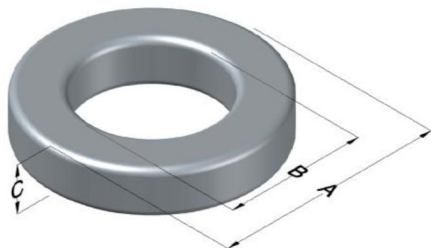




0077616A7HT35

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Kool Mμ Permeability (μ)	A _L (nH/T ²)	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
40	172 ± 8%	XXXXXX	77616A7HT35	N/A	Black

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	61.98	2.440	63.09	2.484	max	
ID (B)	32.59	1.283	31.70	1.248	min	
HT (C)	34.09	1.342	35.00	1.378	max	Cardboard cut-outs

Electrical Characteristics			Physical Characteristics						
Watt Loss @ 100 kHz, 100mT max (mW/cm³)	DC Bias min (oersteds)		Voltage Breakdown wire to wire min (V _{AC})	Break Strength min (kg)	Window Area W _A (mm²)	Cross Section A _e (mm²)	Path Length L _e (mm)	Volume V _e (mm³)	Weight (g)
900	80%	50%	3000	193.0	789	490	144	70,000	420
	58.5	133							

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	75.3	Coating Temp (Continuous up to): 200°C	
					HT	48.8		
				Completely Full Window	Max OD	81.4	Notes:	
Max HT	57.4							
0%	101.2	40%	117.3	Surface Area (mm²)				
20%	109.5	45%	119.9					
25%	111.3	50%	122.4					
30%	113.2	60%	127.1	Unwound Core		16,000		
35%	115.6	70%	132.8	40% Winding Factor		28,500		

Typical DC Bias Performance

