



0079431A7

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Kool M μ MAX Permeability (μ)	A _L (nH/T ²)	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
40	90 \pm 8%	XXXXXX	79431A7	N/A	Black

Dimensions	Uncoated		Coated Limits		Packaging
	(mm)	(in)	(mm)	(in)	
OD (A)	46.70	1.840	47.63	1.875	Cardboard cut-outs Box Qty= 105 pcs
ID (B)	24.1	0.950	23.3	0.918	
HT (C)	18.0	0.710	19.0	0.745	

Electrical Characteristics			Physical Characteristics						
Watt Loss @ 100 kHz, 100mT max (mW/cm ³)	DC Bias min (A-T/cm)		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)	Weight (g)
	80%	50%							
700	65.9	143	2000	233	427	199	107	21,300	125

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		Coating Temp (Continuous up to): 200°C
				OD	51.2	Notes:
				HT	26.0	
				Completely Full Window		
				Max OD	63.8	
				Max HT	38.7	
				Surface Area (mm ²)		
				Unwound Core		6,900
				40% Winding Factor		9,600

