



0079095A7

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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	57 ± 8%	XXXXXX	79095A7	N/A	Black

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	46.74	1.840	47.63	1.875	max	Cardboard cut-outs Box Qty= 120 pcs
ID (B)	28.70	1.130	27.89	1.098	min	
HT (C)	15.24	0.600	16.13	0.635	max	

Electrical Characteristics			Physical Characteristics						
Watt Loss @ 100 kHz, 100mT 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)	Weight (g)
	80%	50%							
700	85	180	3000	99.0	610	134	116	15,600	95

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	52.0	
					HT	24.9	
				Completely Full Window	Max OD	66.3	
					Max HT	39.8	
0%	52.0	40%	66.4	Surface Area (mm ²)			
20%	59.1	45%	68.2				
25%	61.0	50%	70.4	Unwound Core			
30%	62.2	60%	74.7				
35%	64.5	70%	79.5	40% Winding Factor			
				6,100			
				9,800			
							Coating Temp (Continuous up to): 200°C
							Notes:

