



0079733A7

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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	117 \pm 8%	XXXXXX	79733A7	N/A	Black

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	50.55	1.990	51.31	2.020	max	Cardboard cut-outs Box Qty= 70 pcs
ID (B)	24.77	0.975	24.00	0.945	min	
HT (C)	20.83	0.820	21.59	0.850	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	95.0	452	262	113.5	29,700	190

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	55.0
					HT	29.0
0%	70.7	40%	82.8	Completely Full Window	Max OD	68.0
					Max HT	41.0
20%	76.9	45%	84.8	Surface Area (mm ²)		Notes:
25%	78.3	50%	86.6	Unwound Core		
30%	79.7	60%	90.1	40% Winding Factor		
35%	81.5	70%	94.4			
						Coating Temp (Continuous up to): 200°C

