



0076095A7

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Kool M μ Hf Permeability (μ)	A _L (nH/T ²)	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
40	57 ± 8%	XXXXXX	76095A7	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 @ 100kHz, 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%							
550	75	145	3000	99.0	611	132	116.2	15,300	99.0

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	53.2
					HT	24.5
0%	52.0	40%	66.1	Completely Full Window	Max OD	56.0
20%	59.3	45%	68.4		Max HT	35.7
25%	60.9	50%	70.3	Surface Area (mm ²)		
30%	62.6	60%	74.8	Unwound Core		6,200
35%	64.6	70%	79.6	40% Winding Factor		9,500
Notes:						
Coating Temp (Continuous up to): 200°C						

