



**0079591A7**

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Kool M $\mu$ MAX Permeability ( $\mu$ )	A <sub>L</sub> (nH/T <sup>2</sup> )	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
40	25 $\pm$ 8%	XXXXXX	79591A7	N/A	Black

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	34.30	1.350	35.18	1.385	max	Cardboard cut-outs Box Qty= 300 pcs
ID (B)	23.4	0.920	22.5	0.888	min	
HT (C)	8.89	0.350	9.78	0.385	max	

Electrical Characteristics			Physical Characteristics						
Watt Loss @ 100 kHz, 100mT max (mW/cm <sup>3</sup> )	DC Bias min (oersteds)		Voltage Breakdown wire to wire min (V <sub>AC</sub> )	Break Strength min (kg)	Window Area W <sub>A</sub> (mm <sup>2</sup> )	Cross Section A <sub>e</sub> (mm <sup>2</sup> )	Path Length L <sub>e</sub> (mm)	Volume V <sub>e</sub> (mm <sup>3</sup> )	Weight (g)
	700	80%							
	83.0	180							

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	40.5	
				HT	16.8	Notes:
				Completely Full Window		
				Max OD	50.1	
0%	32.2	40%	44.0	Max HT	29.0	
20%	38.1	45%	45.6	Surface Area (mm <sup>2</sup> )		
25%	39.6	50%	47.3	Unwound Core		2,900
30%	40.6	60%	50.8	40% Winding Factor		5,500
35%	42.5	70%	54.9			

