



Kool M $\mu$ Permeability ( $\mu$ )	A <sub>L</sub> (nH/T <sup>2</sup> )	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
90	153 $\pm$ 8%	XXXXXX	77552A7HT19	N/A	Black

Dimensions					Packaging
Uncoated		Coated Limits			
	(mm)	(in)	(mm)	(in)	
OD (A)	32.79	1.291	33.66	1.325	
ID (B)	20.09	0.791	19.46	0.766	
HT (C)	17.98	0.708	19	0.748	

Electrical Characteristics			Physical Characteristics						
Watt Loss @ 100kHz, 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)
	80%	50%							
550	25	60	3000	78.9	297	112.2	81.4	8,995	62.7

Winding Information					Temperature Rating	
Winding Length per Turn			Wound Coil Dimensions (mm)		Curie Temp (°C):	
Winding Factor	(mm)	Winding Factor	(mm)	40% Winding Factor	OD	500 °C
0%	52.5	40%	62.3	Completely Full Window	HT	Coating Temp: (Continuous, up to; °C)
20%	57.5	45%	63.9		Max OD	
25%	58.6	50%	65.2		Max HT	35.6
30%	59.8	60%	68.3			
35%	61.2	70%	71.8			Notes:

