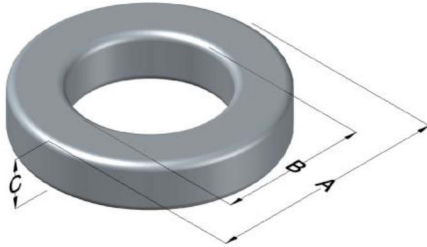




# C055716W4

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MPP Permeability ( $\mu$ )	$A_L$ (nH/T <sup>2</sup> )	Core Marking			Coating Color
		Lot Number	Part Number	Inductance Grade	
60	73 $\pm$ 8%	XXXXXX	55716W4	X	Gray

Dimensions	Uncoated		Coated Limits			Packaging
	(mm)	(in)	(mm)	(in)		
OD (A)	50.80	2.000	51.69	2.035	max	Cardboard cut-outs Box Qty= 90 pcs
ID (B)	31.75	1.250	30.94	1.218	min	
HT (C)	13.46	0.530	14.35	0.565	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%							
	50.0	94.0							

Winding Information					Temperature Rating			
Winding Length Per Turn				Wound Coil Dimensions (mm)			Curie Temp: 460 °C	
Winding Factor	(mm)	Winding Factor	(mm)	40% Winding Factor		OD	56.6	Coating Temp (Continuous to): 200 °C
				Completely Full Window		HT	24.2	
0%	49.5	40%	65.5	Surface Area (mm <sup>2</sup> )		Notes:		
20%	57.4	45%	67.7	Unwound Core		W4 stabilization: Controlled stabilization with Inductance stability limits of +/- 0.25% over temperature range -55°C to +85°C measured at low drive level (<10mT). For power inductors use standard stabilization, A2.		
25%	59.6	50%	70.1	40% Winding Factor				
30%	61.0	60%	74.9					
35%	63.5	70%	80.3					

## Typical DC Bias Performance

