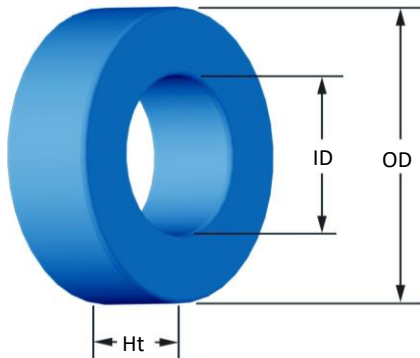




Part Number:

MS-068026-2

Revision 2021-Dec-01 - Generated 2021-Dec-01



(If coated, Max./Min. includes coating)

OD	(nom. - bare core) (max.)	17.27 mm 18.03 mm	0.680 in 0.710 in
ID	(nom. - bare core) (min.)	9.65 mm 9.02 mm	0.380 in 0.355 in
HT	(nom. - bare core) (max.)	6.35 mm 7.11 mm	0.250 in 0.280 in
Mass	(approximate)	4.9 grams	
Magnetic Dimensions	A _e - Eff. Mag. Cross Section	0.232 cm ²	
	L _e - Eff. Mag. Path Length	4.14 cm	
	V _e - Eff. Core Volume	0.961 cm ³	
	WA - Min. Eff. Window Area	0.639 cm ²	
	sa - Surface Area	11.7 cm ²	
Inductance	mlt - mean length per turn	2.77 cm	
	μ _i (reference)	26	
	A _L value (nominal)	19 nH/N ²	
	Test Winding	N=70, #28 AWG	
	Frequency	10 kHz	
Core Loss	Voltage on Agilent 4284A	0.072 V	
	AL tolerance	±8%	
	$\text{Core Loss (mW/cm}^3\text{)} = \frac{a}{B_{pk}^3} + \frac{b}{B_{pk}^{2.3}} + \frac{c}{B_{pk}^{1.65}} + d \cdot B_{pk}^2 \cdot f^2$		
	where B _{pk} expressed in gauss, f expressed in hertz, and: a=1.000E+06, b=4.969E+08, c=3.993E+06, d=2.867E-14		
	B _{pk}	500 G	
DC Saturation	frequency	100 kHz	
	Core Loss (nominal)	295 mW/cm ³	
	Core Loss (maximum)	339 mW/cm ³	
	$\% \mu_i = \frac{1}{a + b \cdot H^c} + d$		
	where H expressed in oersteds, and: a=1.000E-02, b=2.061E-07, c=1.995, d=0.000		
Coating/Pkg	H _{DC}	200 Oe	
	Percent Initial Perm(nom.)	55.4%	
	Percent Initial Perm(min.)	46.3%	
	Coating Type:	Blue Epoxy	
	Voltage Breakdown (min.)	1000 Vrms	
Winding Table	Limit	0.1 mA, 5 s	
	Package Quantity	2,340 Pcs/Box	
	Wire Size	AWG	14 16 18 20 22 24 26 28 30 32 34
	Single Layer	Turns	1.600 1.250 1.000 0.800 0.630 0.500 0.400 0.315 0.250 0.200 0.160
	Full Winding	Rdc(Ω)	12 15 20 26 32 41 52 65 82 102 128
		Turns	2.8 m 5.5 m 11.6 m 24.0 m 47.0 m 95.7 m 193.1 m 383.8 m 770.0 m 1.5 3.0
		Rdc(Ω)	12 19 30 46 71 110 170 264 408 632 978
		Turns	2.8 m 6.9 m 17.4 m 42.5 m 104.2 m 256.8 m 631.1 m 1.6 3.8 9.4 23.2
		Rdc(Ω)	

