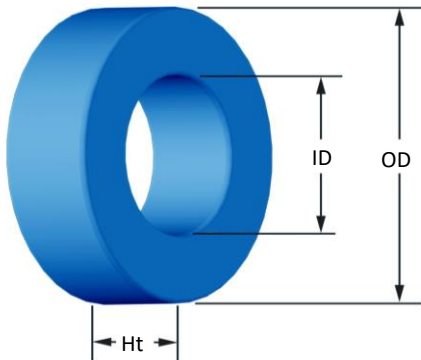




Part Number: **MS-106060-2**

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



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

OD	(nom. - bare core) (max.)	26.92 mm 27.69 mm	1.060 in 1.090 in									
ID	(nom. - bare core) (min.)	14.73 mm 14.10 mm	0.580 in 0.555 in									
HT	(nom. - bare core) (max.)	11.18 mm 11.99 mm	0.440 in 0.472 in									
Mass	(approximate)	24 grams										
Magnetic Dimensions	A _e - Eff. Mag. Cross Section	0.654 cm ²										
	L _e - Eff. Mag. Path Length	6.35 cm										
	V _e - Eff. Core Volume	4.15 cm ³										
	WA - Min. Eff. Window Area	1.56 cm ²										
	sa - Surface Area	28.8 cm ²										
Inductance	μ _i (reference)	60										
	A _L value (nominal)	75 nH/N ²										
Core Loss	Test Winding	N=80, #26 AWG										
	Frequency	10 kHz										
	Voltage on Agilent 4284A	0.23 V										
	AL tolerance	±8%										
	$\text{Core Loss (mW/cm}^3\text{)} = \frac{a}{B_{pk}^3} + \frac{b}{B_{pk}^{2.3}} + \frac{c}{B_{pk}^{1.65}} + d \cdot B_{pk}^2 \cdot f^2$ <p>where B_{pk} expressed in gauss, f expressed in hertz, and: a=7.890E+09, b=7.111E+08, c=8.980E+06, d=2.846E-14</p>											
DC Saturation	B _{pk}	1000 G										
	frequency	50 kHz										
	Core Loss (nominal)	323 mW/cm ³										
DC Saturation	$\% \mu_i = \frac{1}{a + b \cdot H^c} + d$ <p>where H expressed in oersteds, and: a=1.000E-02, b=2.151E-06, c=1.841, d=0.000</p>											
	H _{dc}	100 Oe										
	Percent Initial Perm(nom.)	49.2%										
Coating/Pkg	Percent Initial Perm(min.)	40.9%										
	Coating Type:	Blue Epoxy										
	Voltage Breakdown (min.)	1000 Vrms										
Winding Table	Limit	0.1 mA, 5 s										
	Package Quantity	600 Pcs/Box										
	Wire Size	AWG	10	12	14	16	18	20	22	24	26	28
Single Layer	mm	2.500	2.000	1.600	1.250	1.000	0.800	0.630	0.500	0.400	0.315	0.250
	Turns	12	16	20	26	33	41	52	66	82	103	129
Full Winding	Rdc(Ω)	1.8 m	3.7 m	7.4 m	15.3 m	30.8 m	60.9 m	122.8 m	247.8 m	489.7 m	978.2 m	1.9
	Turns	13	20	30	47	73	112	174	269	417	645	998
	Rdc(Ω)	1.9 m	4.6 m	11.1 m	27.6 m	68.1 m	166.3 m	410.8 m	1.0	2.5	6.1	15.1

