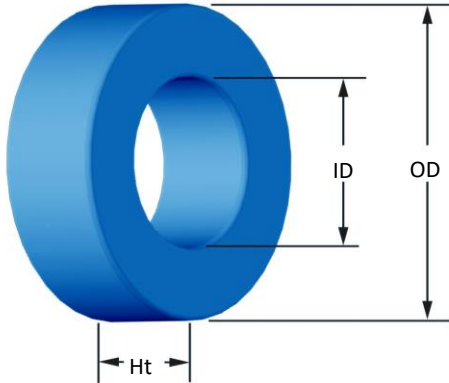




Part Number:

SH-107060-2

Revision 20170403 - Generated 2017-Apr-03



OD	(nom. - bare core) (max. - after coating)	26.92 mm 27.69 mm	1.060 in 1.090 in										
ID	(nom. - bare core) (min. - after coating)	14.73 mm 14.10 mm	0.580 in 0.555 in										
Ht	(nom. - bare core) (max. - after coating)	8.64 mm 9.45 mm	0.340 in 0.372 in										
Mass	(approximate)	18 grams											
Magnetic Dimensions	A _e - Eff. Mag. Cross Section	0.497 cm ²											
	L _e - Eff. Mag. Path Length	6.35 cm											
	V _e - Eff. Core Volume	3.16 cm ³											
	WA - Min. Eff. Window Area	1.56 cm ²											
	sa - Surface Area	26.3 cm ²											
	mlt - mean length per turn	3.95 cm											
Inductance	μ _i (reference)	60											
	A _L value (nominal)	59 nH/N ²											
	Test Winding	N=80, #26 AWG											
	Frequency	10 kHz											
	Voltage on Agilent 4284A	0.18 V											
AL tolerance	±8%												
Core Loss	$\text{Core Loss (mW/cm}^3\text{)} = \frac{f}{\frac{a}{B_{pk}^3} + \frac{b}{B_{pk}^{2.3}} + \frac{c}{B_{pk}^{1.65}}} + d \cdot B_{pk}^2 \cdot f^2$												
	where B _{pk} expressed in gauss, f expressed in hertz, and: a=1.000E+06, b=8.801E+08, c=5.421E+06, d=1.033E-14												
	B _{pk}	1000 G											
	frequency	50 kHz											
	Core Loss (nominal)	317 mW/cm ³											
Core Loss (maximum)	365 mW/cm ³												
DC Saturation	$\% \mu_i = \frac{1}{a + b \cdot H^c} + d$												
	where H expressed in oersteds, and: a=1.000E-02, b=7.724E-06, c=1.612, d=0.000												
	H _{0c}	100 Oe											
	Percent Initial Perm.(nom.)	43.6%											
Percent Initial Perm.(min.)	36.5%												
Coating/Pkg	Coating Type:	Blue Epoxy											
	Voltage Breakdown (min.)	1000 Vrms											
	Limit	0.1 mA, 5 s											
	Package Quantity	900 Pcs/Box											
Winding Table	Wire Size	AWG	10	12	14	16	18	20	22	24	26	28	30
		mm	2.500	2.000	1.600	1.250	1.000	0.800	0.630	0.500	0.400	0.315	0.250
	Single Layer	Turns	12	16	20	26	33	41	52	66	82	103	129
		Rdc(Ω)	1.6 m	3.3 m	6.5 m	13.5 m	27.3 m	53.9 m	108.8 m	219.6 m	433.9 m	866.9 m	1.7
Full Winding	Turns	13	20	30	47	73	112	174	269	417	645	998	
	Rdc(Ω)	1.7 m	4.1 m	9.8 m	24.4 m	60.4 m	147.3 m	364.0 m	895.1 m	2.2	5.4	13.4	

