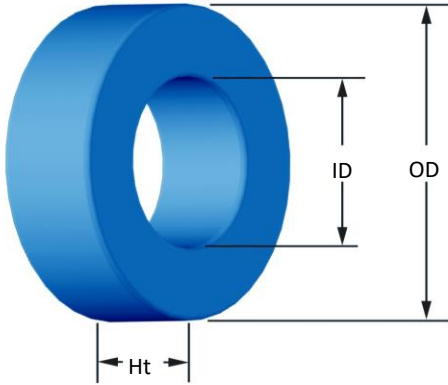




Part Number:

SH-044060-2

Revision 20170403 - Generated 2017-Apr-03



OD	(nom. - bare core) (max. - after coating)	11.18 mm 11.89 mm	0.440 in 0.468 in
ID	(nom. - bare core) (min. - after coating)	6.35 mm 5.89 mm	0.250 in 0.232 in
Ht	(nom. - bare core) (max. - after coating)	3.96 mm 4.72 mm	0.156 in 0.186 in
Mass	(approximate)	1.4 grams	
Magnetic Dimensions	A_e - Eff. Mag. Cross Section L_e - Eff. Mag. Path Length V_e - Eff. Core Volume WA - Min. Eff. Window Area sa - Surface Area mlt - mean length per turn	0.0906 cm ² 2.69 cm 0.244 cm ³ 0.272 cm ² 5.10 cm ² 1.84 cm	
Inductance	μ_i (reference) A_L value (nominal) Test Winding Frequency Voltage on Agilent 4284A AL tolerance	60 26 nH/N ² N=60, #30 AWG 10 kHz 0.024 V $\pm 12\%$	
Core Loss	Core Loss (mW/cm ³) = $\frac{f}{\frac{a}{B_{pk}^3} + \frac{b}{B_{pk}^{2.3}} + \frac{c}{B_{pk}^{1.65}}} + d \cdot B_{pk}^2 \cdot f^2$ 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} frequency Core Loss (nominal) Core Loss (maximum)	1000 G 50 kHz 317 mW/cm ³ 365 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_{oc} Percent Initial Perm.(nom.) Percent Initial Perm.(min.)	100 Oe 43.6% 36.5%	
Coating/Pkg	Coating Type: Voltage Breakdown (min.) Limit Package Quantity	Blue Epoxy 1000 Vrms 0.1 mA, 5 s 9,000 Pcs/Box	
Winding Table	Wire Size	AWG	18 20 22 24 26 28 30 32 34 36 38
		mm	1.000 0.800 0.630 0.500 0.400 0.315 0.250 0.200 0.160 0.125 0.100
	Single Layer	Turns	12 16 20 26 33 42 52 66 83 103 129
		Rdc(Ω)	4.6 m 9.8 m 19.5 m 40.2 m 81.2 m 164.4 m 323.6 m 653.3 m 1.3 2.6 5.1
Full Winding	Turns	13 20 30 47 73 113 174 270 417 646 999	
	Rdc(Ω)	5.0 m 12.2 m 29.2 m 72.7 m 179.6 m 442.2 m 1.1 2.7 6.6 16.2 39.8	

