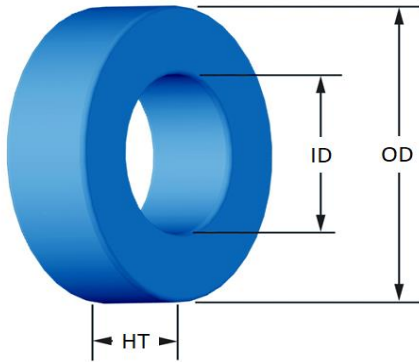




Part Number: **SH-134060-2**

Revision: 2023-Dec-18



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

	mm	in
OD	(nom. - bare core) 33.02 (max.) 33.83	1.300 1.332
ID	(nom. - bare core) 19.94 (min.) 19.30	0.785 0.760
HT	(nom. - bare core) 18.00 (max.) 19.00	0.709 0.748
Mass	(approximate) 50	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	1.10 cm ² 8.15 cm 8.98 cm ³ 2.93 cm ² 49.1 cm ² 6.22 cm
Inductance	μ_i (reference) A_L value (nominal) Test Winding Frequency Voltage on Agilent 4284A AL tolerance	60 102 nH/N ² 70 Turns AWG# 22 10k Hz 0.34 V ±8%
Core Loss	Core Loss(mW/cm ³)= $\frac{a}{Bpk^3} + \frac{b}{Bpk^{2.3}} + \frac{c}{Bpk^{1.65}} + d \cdot Bpk^2 \cdot f^2$ 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 k Hz 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_{DC} 100 Oe Percent Initial Perm(nom.) 43.6 % Percent Initial Perm(min.) 36.5 %
Coating/Pkg	Coating Type: Voltage Breakdown (min.) Limit Package Quantity	Blue Epoxy 1000 Vrms 0.1 mA, 5 s 210 Pcs/Box
Winding Table	Wire Size	AWG 8 10 12 14 16 18 20 22 24 26 28
	Single Layer	Turns 14 18 22 29 36 46 58 73 91 114 142
	Full Winding	Rdc(Ω) 1.8 m 3.7 m 7.1 m 14.9 m 29.4 m 59.8 m 120.0 m 240.2 m 476.2 m 948.7 m 1.9
	Winding	Turns 15 24 37 57 88 136 211 326 504 780 1,208

