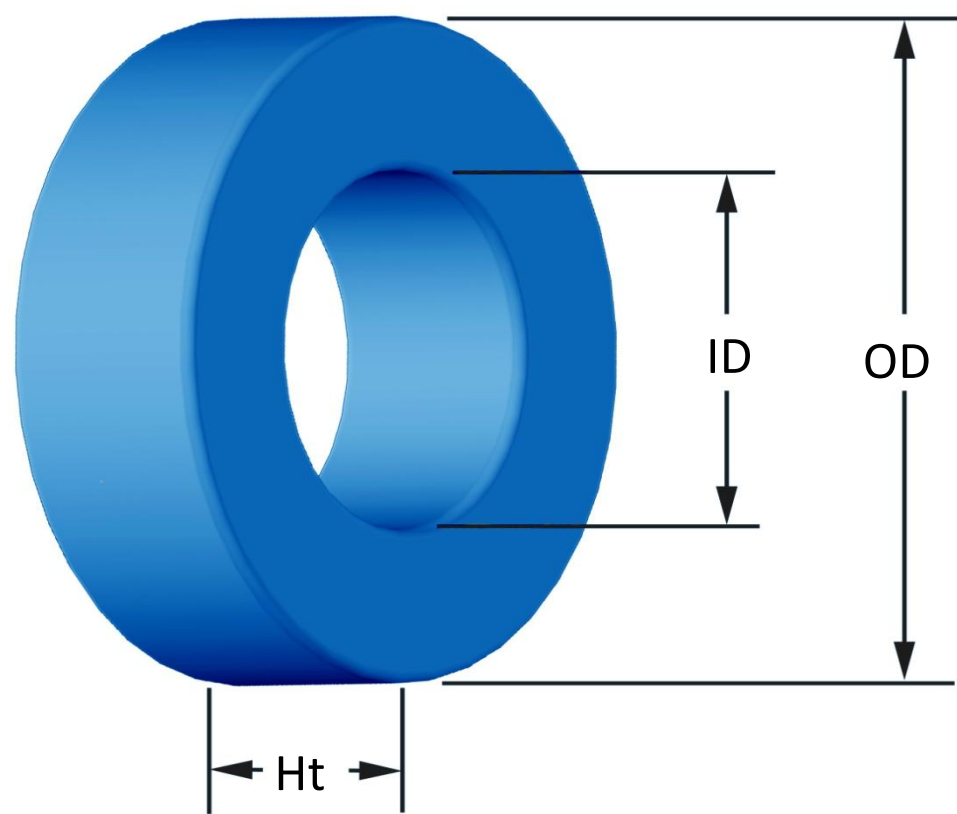




Part Number: SH-135060-2

Revision 20190403 - Generated 2019-Apr-04



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

OD	(nom. - bare core) (max.)	34.29 mm 35.10 mm	1.350 in 1.382 in									
ID	(nom. - bare core) (min.)	23.37 mm 22.56 mm	0.920 in 0.888 in									
HT	(nom. - bare core) (max.)	8.89 mm 9.83 mm	0.350 in 0.387 in									
Mass	(approximate)	23 grams										
Magnetic Dimensions	A _e - Eff. Mag. Cross Section	0.454 cm ²										
	L _e - Eff. Mag. Path Length	8.95 cm										
	V _e - Eff. Core Volume	4.06 cm ³										
	WA - Min. Eff. Window Area	4.00 cm ²										
	sa - Surface Area	41.4 cm ²										
Inductance	μ _i (reference)	60										
	A _L value (nominal)	38 nH/N ²										
	Test Winding	N=90, #22 AWG										
	Frequency	10 kHz										
	Voltage on Agilent 4284A	0.18 V										
	AL tolerance	±8%										
	Core Loss(mW/cm ³)= $\frac{f}{\frac{a}{Bpk^3} + \frac{b}{Bpk^{2.3}} + \frac{c}{Bpk^{1.65}}} + d \cdot Bpk^2 \cdot f^2$											
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												
DC Saturation	B _{pk}	1000 G										
	frequency	50 kHz										
	Core Loss (nominal)	317 mW/cm ³										
	Core Loss (maximum)	365 mW/cm ³										
Coating/Pkg	%μ _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%										
Winding Table	Coating Type:	Blue Epoxy										
	Voltage Breakdown (min.)	1000 Vrms										
	Limit	0.1 mA, 5 s										
	Package Quantity	441 Pcs/Box										

Winding Table	Wire Size	AWG	8	10	12	14	16	18	20	22	24	26	28
		mm	3.150	2.500	2.000	1.600	1.250	1.000	0.800	0.630	0.500	0.400	0.315
	Single Layer	Turns	16	21	27	34	43	54	68	85	107	134	167
		Rdc(Ω)	1.4 m	3.0 m	6.1 m	12.2 m	24.6 m	49.1 m	98.4 m	195.6 m	391.5 m	779.8 m	1.5
Full Winding	Turns	21	32	50	78	120	186	288	445	689	1,066	1,651	
	Rdc(Ω)	1.9 m	4.5 m	11.3 m	28.1 m	68.6 m	169.2 m	416.6 m	1.0	2.5	6.2	15.3	

