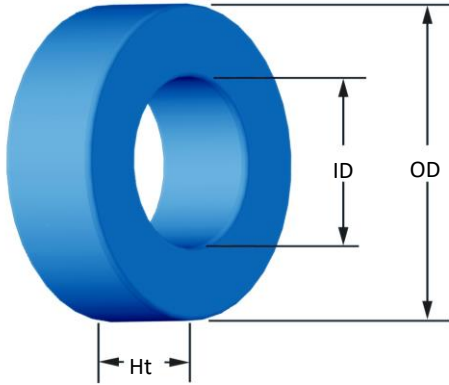




Part Number: SH-141026-2

Revision 20170403 - Generated 2017-Apr-03



OD	(nom. - bare core) (max. - after coating)	35.81 mm 36.63 mm	1.410 in 1.442 in
ID	(nom. - bare core) (min. - after coating)	22.35 mm 21.54 mm	0.880 in 0.848 in
Ht	(nom. - bare core) (max. - after coating)	10.46 mm 11.28 mm	0.412 in 0.444 in
Mass	(approximate)	32 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	0.678 cm ² 8.98 cm 6.09 cm ³ 3.64 cm ² 45.6 cm ² 4.84 cm	
Inductance	μ_i (reference) A_L value (nominal) Test Winding Frequency Voltage on Agilent 4284A AL tolerance	26 24 nH/N ² N=80, #22 AWG 10 kHz 0.24 V ±8%	
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: $a=1.000E+06$, $b=3.287E+08$, $c=5.779E+06$, $d=1.240E-14$ B_{pk} frequency Core Loss (nominal) Core Loss (maximum)	500 G 100 kHz 277 mW/cm ³ 318 mW/cm ³	
DC Saturation	$\% \mu_i = \frac{1}{a + b \cdot H^c} + d$ where H expressed in oersteds, and: $a=1.000E-02$, $b=1.042E-06$, $c=1.701$, $d=0.000$ H_{DC} Percent Initial Perm.(nom.) Percent Initial Perm.(min.)	200 Oe 53.9% 46.1%	
Coating/Pkg	Coating Type: Voltage Breakdown (min.) Limit Package Quantity	Blue Epoxy 1000 Vrms 0.1 mA, 5 s 343 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	15	20	25	32	41	52	65	81	102	128	159
		Rdc(Ω)	1.5 m	3.2 m	6.3 m	12.8 m	26.1 m	52.7 m	104.7 m	207.5 m	415.6 m	829.5 m	1.6
Full Winding	Turns	19	30	46	71	109	169	262	406	628	972	1,505	
	Rdc(Ω)	1.9 m	4.8 m	11.6 m	28.4 m	69.4 m	171.2 m	422.1 m	1.0	2.6	6.3	15.5	

