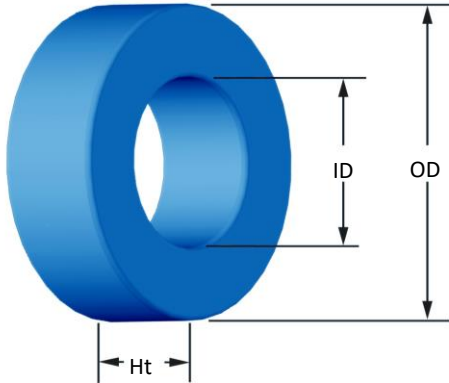




Part Number: **SH-108026-2**

Revision 20170403 - Generated 2017-Apr-03



OD	(nom. - bare core) (max. - after coating)	26.92 mm 27.81 mm	1.060 in 1.095 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)	14.00 mm 15.00 mm	0.551 in 0.591 in
Mass	(approximate)	27 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	0.819 cm ² 6.35 cm 5.20 cm ³ 1.56 cm ² 31.9 cm ² 5.08 cm	
Inductance	μ_i (reference) A_L value (nominal) Test Winding Frequency Voltage on Agilent 4284A AL tolerance	26 40.7 nH/N ² N=80, #26 AWG 10 kHz 0.29 V ±8%	
Core Loss	Core Loss (mW/cm ³) = $\frac{f}{a + b \cdot B_{pk}^3 + c \cdot B_{pk}^{1.65}} + d \cdot B_{pk}^2 \cdot f^2$ 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 500 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)	2.0 m	4.2 m	8.4 m	17.4 m	35.0 m	69.2 m	139.7 m	281.9 m	557.1 m	1.1	2.2
Full Winding	Turns	13	20	30	47	73	112	174	269	417	645	998	
	Rdc(Ω)	2.2 m	5.3 m	12.6 m	31.4 m	77.5 m	189.2 m	467.3 m	1.1	2.8	7.0	17.1	

