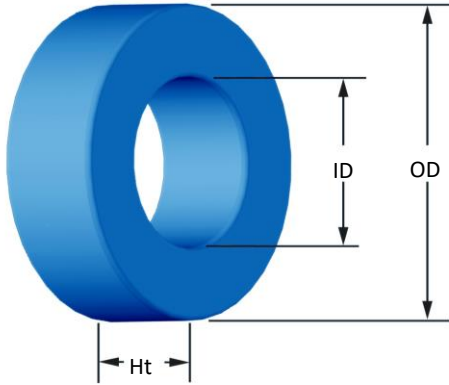




**Part Number: SH-226060-2**

Revision 20170403 - Generated 2017-Apr-03



<b>OD</b>	(nom. - bare core) (max. - after coating)	57.15 mm 58.04 mm	2.250 in 2.285 in
<b>ID</b>	(nom. - bare core) (min. - after coating)	26.39 mm 25.58 mm	1.039 in 1.007 in
<b>Ht</b>	(nom. - bare core) (max. - after coating)	15.24 mm 16.13 mm	0.600 in 0.635 in
<b>Mass</b>	(approximate)	160 grams	
<b>Magnetic Dimensions</b>	$A_e$ - 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	2.29 cm <sup>2</sup> 12.506 cm 28.6 cm <sup>3</sup> 5.14 cm <sup>2</sup> 105 cm <sup>2</sup> 7.75 cm	
<b>Inductance</b>	$\mu_i$ (reference) $A_L$ value (nominal) Test Winding Frequency Voltage on Agilent 4284A AL tolerance	60 138 nH/N <sup>2</sup> N=60, #18 AWG 10 kHz 0.61 V $\pm 8\%$	
<b>Core Loss</b>	Core Loss (mW/cm <sup>3</sup> ) = $\frac{f}{\frac{a}{B_{pk}^3} + \frac{b}{B_{pk}^{2.3}} + \frac{c}{B_{pk}^{1.65}}} + d \cdot B_{pk}^2 \cdot f^2$ 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 <sup>3</sup> 365 mW/cm <sup>3</sup>	
<b>DC Saturation</b>	$\% \mu_i = \frac{1}{a + b \cdot H^c} + d$ 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%	
<b>Coating/Pkg</b>	Coating Type: Voltage Breakdown (min.) Limit Package Quantity	Blue Epoxy 1000 Vrms 0.1 mA, 5 s 80 Pcs/Box	
<b>Winding Table</b>	<b>Wire Size</b>	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
	<b>Single Layer</b>	Turns	19      24      31      39      49      62      78      97      122      152      190
		Rdc(Ω)	3.0 m   6.1 m   12.5 m   25.0 m   50.0 m   100.5 m   201.2 m   397.8 m   795.8 m   1.6      3.1
<b>Full Winding</b>	Turns	27      42      64      100      154      239      370      572      886      1,371      2,122	
	Rdc(Ω)	4.3 m   10.6 m   25.8 m   64.1 m   157.0 m   387.5 m   954.2 m   2.3      5.8      14.2      35.0	

