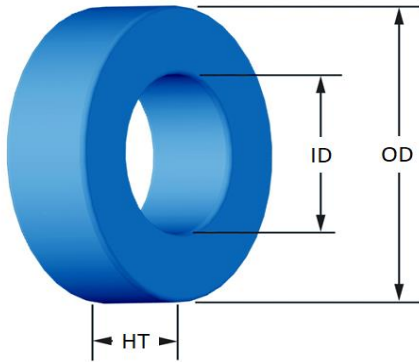




Part Number: **OD-132060-2**

Revision: 2023-Dec-06



(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) 11.18 (max.) 11.99	0.440 0.472
Mass	(approximate)	40 grams
Magnetic Dimensions	A_e - Eff. Mag. Cross Section L_e - Eff. Mag. Path Length V_e - Eff. Core Volume W_A - Min. Eff. Window Area s_a - Surface Area m_{lt} - mean length per turn	0.698 cm ² 8.15 cm 5.69 cm ³ 2.93 cm ² 40.6 cm ² 4.82 cm
Inductance	μ_i (reference) A_L value (nominal) Test Winding Frequency Voltage on Agilent 4284A AL tolerance	60 65 nH/N ² 70 Turns AWG# 22 10k Hz 0.22 V ±8%
Core Loss	Core Loss(mW/cm ³) = $\frac{a}{B_{pk}^3} + \frac{b}{B_{pk}^{2.3}} + \frac{c}{B_{pk}^{1.65}} + d \cdot B_{pk}^2 \cdot f^2$ where B_{pk} expressed in gauss, f expressed in hertz, and: $a=1.000E+06$, $b=8.154E+08$, $c=2.976E+06$, $d=3.292E-14$	B_{pk} 1000 G frequency 50 k Hz Core Loss (nominal) 450 mW/cm ³ Core Loss (maximum) 517 mW/cm ³
DC Saturation	$\% \mu_i = \frac{1}{a + b \cdot H^c} + d$ where H expressed in oersteds, and: $a=1.000E-02$, $b=2.111E-08$, $c=2.501$, $d=0.000$	H_{DC} 100 Oe Percent Initial Perm.(nom.) 82.5 % Percent Initial Perm.(min.) 74.9 %
Coating/Pkg	Coating Type: Voltage Breakdown (min.) Limit Package Quantity	Blue Epoxy 1000 Vrms 0.1 mA, 5 s 336 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 14 18 22 29 36 46 58 73 91 114 142 Rdc(Ω) 1.4 m 2.8 m 5.5 m 11.6 m 22.8 m 46.3 m 92.9 m 186.0 m 368.8 m 734.8 m 1.5
	Full Winding	Turns 15 24 37 57 88 136 211 326 504 780 1,208 Rdc(Ω) 1.5 m 3.8 m 9.3 m 22.7 m 55.7 m 137.0 m 338.1 m 830.8 m 2.0 5.0 12.4

