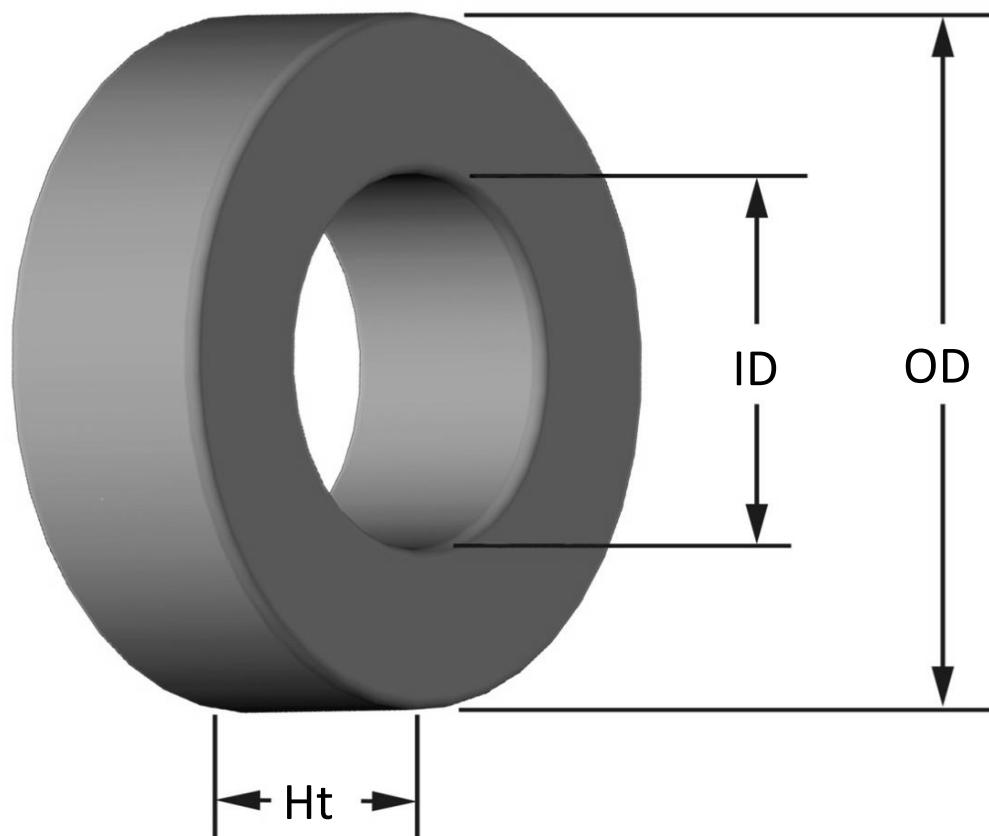


MICROMETALSTM
POWDER CORE SOLUTIONS

Part Number:

T130-0

Revision 20190524 - Generated 2019-May-30



OD	(nom. - bare core) 33.02 mm (max. - after coating) 33.53 mm	1.300 in 1.320 in											
ID	(nom. - bare core) 19.81 mm (min. - after coating) 19.30 mm	0.780 in 0.760 in											
Ht	(nom. - bare core) 11.10 mm (max. - after coating) 11.73 mm	0.437 in 0.462 in											
Mass	(approximate)	13 grams											
Magnetic Dimensions	A _e - Eff. Mag. Cross Section	0.698 cm ²											
	L _e - Eff. Mag. Path Length	8.28 cm											
	V _e - Eff. Core Volume	5.78 cm ³											
	WA - Min. Eff. Window Area	2.93 cm ²											
	sa - Surface Area	39.8 cm ²											
Inductance	mlt - mean length per turn	4.73 cm											
	μ_i (reference)	1											
	A _L value (nominal)	1.5 nH/N ²											
	Test Winding	N/A											
	Frequency	N/A											
	Voltage on Agilent 4284A	N/A											
Core Loss	A _L tolerance	Ref Only											
	Core Loss(mW/cm ³)= $\frac{f}{a + \frac{b}{B_{pk}^{2.3}} + \frac{c}{B_{pk}^{1.65}}} + d \cdot B_{pk}^2 \cdot f^2$												
	where B_{pk} expressed in gauss, f expressed in hertz, and: $a=1.00E+99$, $b=1.00E+99$, $c=1.00E+99$, $d=0.00E+00$												
	B _{pk}	140 G											
	frequency	100 kHz											
	Core Loss (nominal)	0 mW/cm ³											
DC Saturation	Core Loss (maximum)	0 mW/cm ³											
	$\% \mu_i = \frac{1}{a + b \cdot H^c} + d$												
	where H expressed in oersteds, and: $a=1.00E-02$, $b=0.00E+00$, $c=0.00$, $d=0.00$												
	H _{DC}	200 Oe											
	Percent Initial Perm(nom.)	100.0%											
	Percent Initial Perm(min.)	100.0%											
Coating/Pkg	Coating Type:	Tan/Tan Epoxy Paint											
	Voltage Breakdown (min.)	500 Vrms, 60Hz											
	Limit	3 mA, 5 s											
	Package Quantity	500 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	5.4 m	11.4 m	22.4 m	45.6 m	91.4 m	182.9 m	362.6 m	722.4 m	1.4
	Full Winding	Turns	15	24	37	57	88	136	211	326	504	781	1,208
		Rdc(Ω)	1.5 m	3.7 m	9.1 m	22.3 m	54.8 m	134.7 m	332.4 m	816.7 m	2.0	4.9	12.2

