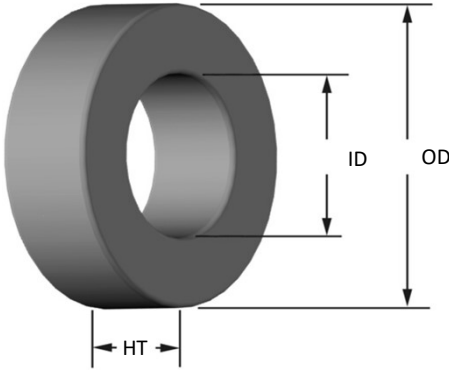




Part Number: **T106-10B**
 Revision 2023-Dec-14 - Generated 2025-Feb-19



OD	(nom. - bare core)	26.92 mm	1.060 in										
	(max. - including coating, if any)	27.43 mm	1.080 in										
ID	(nom. - bare core)	14.48 mm	0.570 in										
	(min. - including coating, if any)	13.97 mm	0.550 in										
HT	(nom. - bare core)	14.61 mm	0.575 in										
	(max. - including coating, if any)	15.24 mm	0.600 in										
Mass	(approximate)	25 grams											
Magnetic Dimensions	Ae - Eff. Mag. Cross Section	0.858 cm ²											
	Le - Eff. Mag. Path Length	6.49 cm											
	Ve - Eff. Core Volume	5.57 cm ³											
	WA - Min. Eff. Window Area	1.53 cm ²											
	sa - Surface Area	31.5 cm ²											
	mlt - mean length per turn	5.09 cm											
	μ (reference)	6											
Inductance	AL value (nominal)	11.1 nH/N ²											
	Test Winding	N=100, #26 AWG											
	Test Frequency	10 kHz											
	Voltage on Agilent 4284A	0.38 V											
	AL tolerance	±5%											
Core Loss & Q	$\text{Core Loss (mW/cm}^3\text{)} = \frac{f}{B_{pk}^3} + \frac{b}{B_{pk}^{2.3}} + \frac{c}{B_{pk}^{1.65}} + d \cdot B_{pk}^2 \cdot f^2$												
	where B_{pk} expressed in gauss, f expressed in hertz, and: $a=4.00E+09$, $b=3.00E+08$, $c=2.70E+06$, $d=8.00E-16$												
	Q test winding	N=10, #20 AWG											
	Q frequency	15 MHz											
DC Saturation	$\% \mu_i = \frac{1}{a + b \cdot H^c} + d$												
	where H expressed in oersteds, and: $a=1.00E-02$, $b=5.54E-09$, $c=1.69$, $d=0.00$												
	Hdc	200 Oe											
Coating/Pkg	Coating Type:	Black/Clear Epoxy Paint											
	Voltage Breakdown (min.)	500 Vrms, 60Hz											
	Limit	3 mA, 5 s											
	Package Quantity	560 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	15	20	26	32	41	52	65	82	102	128
		Rdc(Ω)	2.0 m	4.0 m	8.4 m	17.4 m	34.1 m	69.5 m	140.1 m	278.6 m	558.9 m	1.1	2.2
Full Winding	Turns	12	19	30	46	71	110	171	264	409	633	980	
	Rdc(Ω)	2.0 m	5.0 m	12.6 m	30.8 m	75.6 m	186.4 m	460.8 m	1.1	2.8	6.9	16.9	

