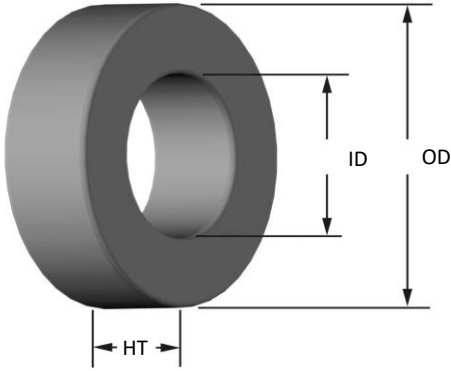




Part Number:

T150-2

Revision 2022-May-13 - Generated 2025-Apr-1



OD	(nom. - bare core)	38.35 mm	1.510 in			
	(max. - including coating, if any)	38.99 mm	1.535 in			
ID	(nom. - bare core)	21.46 mm	0.845 in			
	(min. - including coating, if any)	20.83 mm	0.820 in			
HT	(nom. - bare core)	11.10 mm	0.437 in			
	(max. - including coating, if any)	11.86 mm	0.467 in			
Mass	(approximate)	42 grams				
Magnetic Dimensions	Ae - Eff. Mag. Cross Section	0.887 cm ²				
	Le - Eff. Mag. Path Length	9.38 cm				
	Ve - Eff. Core Volume	8.31 cm ³				
	WA - Min. Eff. Window Area	3.41 cm ²				
	sa - Surface Area	50.5 cm ²				
	mlt - mean length per turn	5.23 cm				
Inductance	μi(reference)	10				
	AL value (nominal)	11.5 nH/N ²				
	Test Winding	N=100, #24 AWG				
	Test Frequency	10 kHz				
	Voltage on Agilent 4284A	0.39 V				
	AL tolerance	±5%				
Core Loss & Q	$\text{Core Loss (mW/cm}^3\text{)} = \frac{f}{\frac{a}{Bpk^3} + \frac{b}{Bpk^{2.3}} + \frac{c}{Bpk^{1.65}}} + d \cdot Bpk^2 \cdot f^2$					
	where B_{pk} expressed in gauss, f expressed in hertz, and: $a=4.00E+09$, $b=3.00E+08$, $c=2.70E+06$, $d=9.60E-16$					
	Q test winding	N=100, #24 AWG				
	Q frequency	1 MHz				
	Q min on HP4342A	237				
DC Saturation	$\% \mu_i = \frac{1}{a + b \cdot H^c} + d$					
	where H expressed in oersteds, and: $a=1.00E-02$, $b=1.83E-07$, $c=1.46$, $d=0.00$					
	Hdc	200 Oe				
	Percent Initial Perm(nom.)	95.9%				
	Percent Initial Perm(min.)	94.8%				
Coating/Pkg	Coating Type:	Red/Clear Epoxy Paint				
	Voltage Breakdown (min.)	500 Vrms, 60Hz				
	Limit	3 mA, 5 s				
	Package Quantity	350 Pcs/Box				
Winding Table	Wire Size	AWG	8	10	12	14
		mm	3.150	2.500	2.000	1.600
	Single Layer	Turns	15	19	24	31
		Rdc(Ω)	1.6 m	3.2 m	6.5 m	13.4 m
	Full Winding	Turns	18	28	43	66
		Rdc(Ω)	1.9 m	4.8 m	11.7 m	28.5 m

