

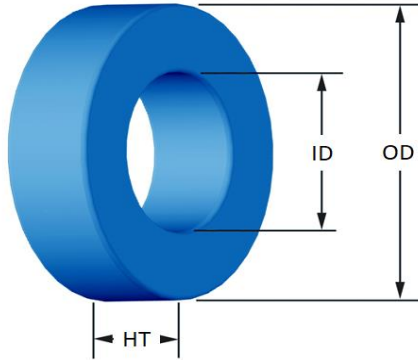


Part Number:

MS-350060-2

Revision:

2023-Dec-18



(If coated, Max./Min. includes coating)

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OD	(nom. - bare core)	88.85	3.498				
	(max.)	90.00	3.543				
ID	(nom. - bare core)	66.01	2.599				
	(min.)	64.74	2.549				
HT	(nom. - bare core)	15.93	0.627				
	(max.)	17.20	0.677				
Mass	(approximate)	250	grams				
Magnetic Dimensions	A _e - Eff. Mag. Cross Section	1.83	cm ²				
	L _e - Eff. Mag. Path Length	24	cm				
	V _e - Eff. Core Volume	43.9	cm ³				
	W _A - Min. Eff. Window Area	32.9	cm ²				
	s _a - Surface Area	251	cm ²				
	mlt - mean length per turn	9.20	cm				
Inductance	μ _i (reference)	60					
	A _L value (nominal)	57	nH/N ²				
	Test Winding	100 Turns	AWG# 18				
	Frequency	10k	Hz				
	Voltage on Agilent 4284A	0.81	V				
	AL tolerance	±8%					
Core Loss	$\text{Core Loss(mW/cm}^3\text{)}=\frac{a}{B_{pk}^3}+\frac{b}{B_{pk}^{2.3}}+\frac{c}{B_{pk}^{1.65}}+d\cdot B_{pk}^2\cdot f^2$						
	where <i>B_{pk}</i> expressed in gauss, <i>f</i> expressed in hertz, and: <i>a</i> =7.890E+09, <i>b</i> =7.111E+08, <i>c</i> =8.980E+06, <i>d</i> =2.846E-14						
	B _{pk}	1000	G				
	frequency	50 k	Hz				
	Core Loss (nominal)	323	mW/cm ³				
	Core Loss (maximum)	372	mW/cm ³				
DC Saturation	$\% \mu_i \frac{1}{a+b\cdot H^c}+d$						
	where H expressed in oersteds, and: <i>a</i> =1.000E-02, <i>b</i> =2.151E-06, <i>c</i> =1.841, <i>d</i> =0.000						
	H _{DC}	100	Oe				
	Percent Initial Perm.(nom.)	49.2	%				
	Percent Initial Perm.(min.)	40.9	%				
Coating/Pkg	Coating Type:	Blue Epoxy					
	Voltage Breakdown (min.)	1000 Vrms					
	Limit	0.1 mA, 5 s					
	Package Quantity	25 Pcs/Box					
Winding Table	Wire Size	AWG	8	10	12		
		mm	3.150	2.500	2.000		
	Single Layer	Turns	52	65	82		
		Rdc(Ω)	9.8 m	19.6 m	39.2 m		
	Full Winding	Turns	172	267	413		
		Rdc(Ω)	32.5 m	80.4 m	197.7 m		

