

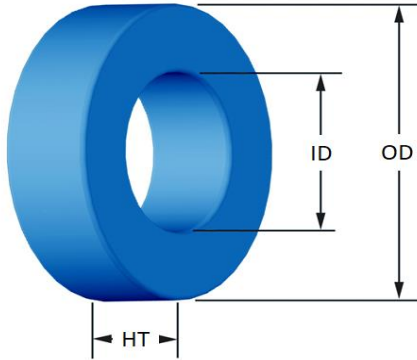


Part Number:

MS-600060-2

Revision:

2023-Dec-06



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

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OD	(nom. - bare core)		152.40	6.000		
	(max.)		153.90	6.059		
ID	(nom. - bare core)		81.28	3.200		
	(min.)		79.65	3.136		
HT	(nom. - bare core)		20.32	0.800		
	(max.)		21.72	0.855		
Mass	(approximate)		1,460	grams		
Magnetic Dimensions	A _e - Eff. Mag. Cross Section		7.05	cm ²		
	L _e - Eff. Mag. Path Length		35.97	cm		
	V _e - Eff. Core Volume		253	cm ³		
	W _A - Min. Eff. Window Area		49.8	cm ²		
	s _a - Surface Area		646	cm ²		
	mlt - mean length per turn		15.8	cm		
Inductance	μ _i (reference)		60			
	A _L value (nominal)		152.5	nH/N ²		
	Test Winding		200 Turns	AWG# 18		
	Frequency		10k	Hz		
	Voltage on Agilent 4284A		6.3	V		
	AL tolerance		±8%			
Core Loss	$\text{Core Loss(mW/cm}^3\text{)} = \frac{f}{\frac{a}{B_{pk}^3} + \frac{b}{B_{pk}^{2.3}} + \frac{c}{B_{pk}^{1.65}}} + d \cdot B_{pk}^2 \cdot f^2$					
	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	%		
Coating/Pkg	Coating Type:		Blue Epoxy			
	Voltage Breakdown (min.)		1000 Vrms			
	Limit		0.1 mA, 5 s			
	Package Quantity		3 Pcs/Box			
Winding Table	Wire Size	AWG	8	10	12	
		mm	3.150	2.500	2.000	
	Single Layer	Turns	65	81	102	
		Rdc(Ω)	21.1 m	41.7 m	83.6 m	1
	Full Winding	Turns	261	404	625	
		Rdc(Ω)	84.5 m	208.1 m	512.0 m	

