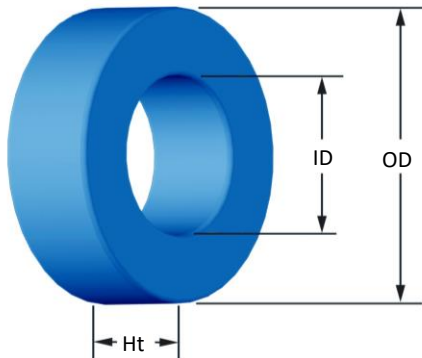




Part Number:

MS-026040-2

Revision 2021-Dec-01 - Generated 2021-Dec-01



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

OD	(nom. - bare core) (max.)	6.60 mm 7.32 mm	0.260 in 0.288 in
ID	(nom. - bare core) (min.)	2.67 mm 2.21 mm	0.105 in 0.087 in
HT	(nom. - bare core) (max.)	4.78 mm 5.54 mm	0.188 in 0.218 in
Mass	(approximate)	0.68 grams	
Magnetic Dimensions	A _e - Eff. Mag. Cross Section	0.0920 cm ²	
	L _e - Eff. Mag. Path Length	1.36 cm	
	V _e - Eff. Core Volume	0.125 cm ³	
	WA - Min. Eff. Window Area	0.0384 cm ²	
	sa - Surface Area	2.44 cm ²	
Inductance	μ _i (reference)	40	
	A _L value (nominal)	33 nH/N ²	
	Test Winding	N=35, #32 AWG	
	Frequency	10 kHz	
	Voltage on Agilent 4284A	0.014 V	
Core Loss	AL tolerance	±12%	
	$\text{Core Loss (mW/cm}^3\text{)} = \frac{a}{B_{pk}^3} + \frac{b}{B_{pk}^{2.3}} + \frac{c}{B_{pk}^{1.65}} + d \cdot B_{pk}^2 \cdot f^2$		
	where B _{pk} expressed in gauss, f expressed in hertz, and: a=1.000E+06, b=6.961E+08, c=5.397E+06, d=4.127E-14		
	B _{pk}	1000 G	
	frequency	50 kHz	
DC Saturation	Core Loss (nominal)	441 mW/cm ³	
	Core Loss (maximum)	507 mW/cm ³	
	$\% \mu_i = \frac{1}{a + b \cdot H^c} + d$		
	where H expressed in oersteds, and: a=1.000E-02, b=2.655E-06, c=1.703, d=0.000		
	H _{DC}	100 Oe	
Coating/Pkg	Percent Initial Perm(nom.)	59.6%	
	Percent Initial Perm(min.)	52.0%	
	Coating Type:	Blue Epoxy	
	Voltage Breakdown (min.)	1000 Vrms	
Winding Table	Limit	0.1 mA, 5 s	
	Package Quantity	14,400 Pcs/Box	
	Wire Size	AWG	26
		mm	0.400
Single Layer	Turns	11	14
	Rdc(Ω)	25.5 m	51.5 m
	Turns	10	16
	Rdc(Ω)	23.1 m	58.9 m
Full Winding	Turns	18	25
	Rdc(Ω)	214.2 m	353.8 m
	Turns	29	38
	Rdc(Ω)	873.7 m	1464.4 m

