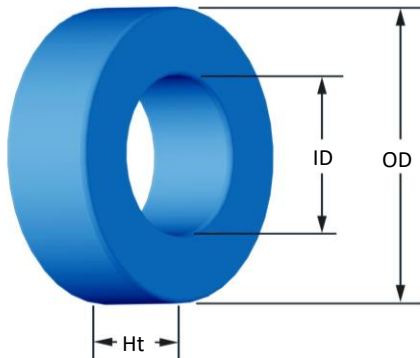




Part Number:

MS-027026-2

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



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

OD	(nom. - bare core) (max.)	6.60 mm 7.24 mm	0.260 in 0.285 in
ID	(nom. - bare core) (min.)	2.67 mm 2.29 mm	0.105 in 0.090 in
HT	(nom. - bare core) (max.)	2.54 mm 3.18 mm	0.100 in 0.125 in
Mass	(approximate)	0.33 grams	
Magnetic Dimensions	A_e - Eff. Mag. Cross Section	0.0467 cm ²	
	L_e - Eff. Mag. Path Length	1.36 cm	
	V_e - Eff. Core Volume	0.0640 cm ³	
	W_A - Min. Eff. Window Area	0.0412 cm ²	
	S_A - Surface Area	1.83 cm ²	
Inductance	μ_i (reference)	26	
	A_L value (nominal)	11 nH/N ²	
	Test Winding	N=35, #32 AWG	
	Frequency	10 kHz	
	Voltage on Agilent 4284A	0.007 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:		
	$a=1.000E+06$, $b=4.969E+08$, $c=3.993E+06$, $d=2.867E-14$		
	B_{pk}	500 G	
DC Saturation	frequency	100 kHz	
	Core Loss (nominal)	295 mW/cm ³	
	Core Loss (maximum)	339 mW/cm ³	
	$\% \mu_i = \frac{1}{a + b \cdot H^c} + d$		
	where H expressed in oersteds, and:		
Coating/Pkg	$a=1.000E-02$, $b=2.061E-07$, $c=1.995$, $d=0.000$		
	H_{DC}	200 Oe	
	Percent Initial Perm(nom.)	55.4%	
	Percent Initial Perm(min.)	46.3%	
	Coating Type:	Blue Epoxy	
Winding Table	Voltage Breakdown (min.)	1000 Vrms	
	Limit	0.1 mA, 5 s	
	Package Quantity	21,600 Pcs/Box	
	Wire Size	AWG	26
		mm	0.400
Winding Table		28	0.315
		30	0.250
		32	0.200
		34	0.160
		36	0.125
Winding Table		38	0.100
		40	0.080
		42	0.063
		44	0.050
		-	-
Winding Table	Single Layer	Turns	11
		Rdc(Ω)	18.3 m
		37.1 m	80.1 m
		160.9 m	319.9 m
		644.5 m	1.3
Winding Table	Full Winding	Turns	11
		Rdc(Ω)	18.3 m
		45.1 m	109.6 m
		274.9 m	671.8 m
		1.7	4.1

