



Part Number: FS-026026-8

Revision 20190529 - Generated 2019-May-29



(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)	0.79 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)	26	
	A _L value (nominal)	21 nH/N ²	
Core Loss	Test Winding	N=35, #32 AWG	
	Frequency	10 kHz	
	Voltage on Agilent 4284A	0.014 V	
	AL tolerance	±8%	
	Core Loss(mW/cm ³)= $\frac{f}{\frac{a}{B_{pk}^3} + \frac{b}{B_{pk}^{2.3}} + \frac{c}{B_{pk}^{1.65}}} + d \cdot B_{pk}^2 \cdot f^2$		
DC Saturation	where B _{pk} expressed in gauss, f expressed in hertz, and: a=1.000E+06, b=1.812E+08, c=3.251E+06, d=6.158E-14		
	B _{pk}	300 G	
	frequency	100 kHz	
	Core Loss (nominal)	214 mW/cm ³	
	Core Loss (maximum)	246 mW/cm ³	
DC Saturation	%μ _i = $\frac{1}{a + b \cdot H^c} + d$		
	where H expressed in oersteds, and: a=1.000E-02, b=9.210E-08, c=1.912, d=0.000		
	H _{DC}	200 Oe	
	Percent Initial Perm(nom.)	81.2%	
Coating/Pkg	Percent Initial Perm(min.)	75.3%	
	Coating Type:	Parylene N	
	Voltage Breakdown (min.)	500 Vrms	
	Limit	0.1 mA, 5 s	
Winding Table	Package Quantity	14,400 Pcs/Box	
	Wire Size	AWG	26 28 30 32 34 36 38 40 42 44 -
Winding Table	Single Layer	Turns	11 14 18 23 29 37 47 59 74 93 -
	Full Winding	Rdc(Ω)	25.5 m 51.5 m 105.4 m 214.2 m 429.4 m 871.4 m 1.8 3.5 7.0 14.0 -
		Turns	10 16 25 38 59 91 141 218 337 522 -
	Winding Table	Rdc(Ω)	23.1 m 58.9 m 146.4 m 353.8 m 873.7 m 2.1 5.3 13.0 31.9 78.6 -

