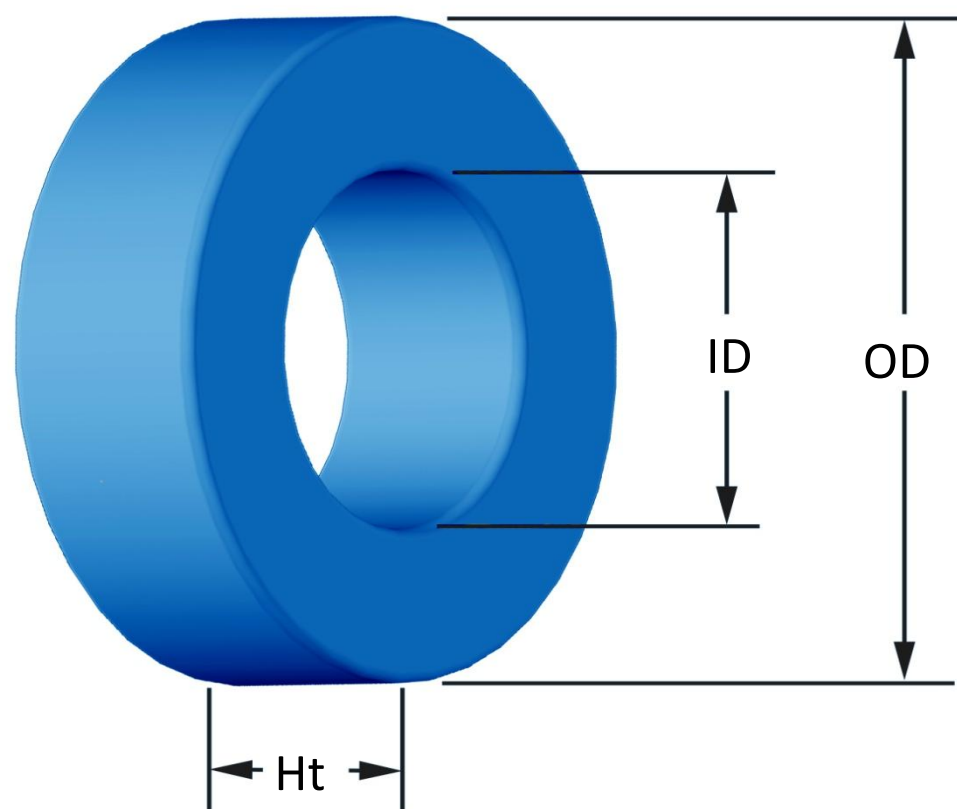




**Part Number:** FS-068014-2H127

Revision 20190529 - Generated 2019-May-29



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

<b>OD</b>	(nom. - bare core) (max.)	17.27 mm 18.03 mm	0.680 in 0.710 in										
<b>ID</b>	(nom. - bare core) (min.)	9.65 mm 9.02 mm	0.380 in 0.355 in										
<b>HT</b>	(nom. - bare core) (max.)	12.70 mm 13.46 mm	0.500 in 0.530 in										
<b>Mass</b>	(approximate)	11 grams											
<b>Magnetic Dimensions</b>	A <sub>e</sub> - Eff. Mag. Cross Section	0.464 cm <sup>2</sup>											
	L <sub>e</sub> - Eff. Mag. Path Length	4.14 cm											
	V <sub>e</sub> - Eff. Core Volume	1.92 cm <sup>3</sup>											
	WA - Min. Eff. Window Area	0.639 cm <sup>2</sup>											
	sa - Surface Area	15.8 cm <sup>2</sup>											
<b>Inductance</b>	μ <sub>i</sub> (reference)	14											
	A <sub>L</sub> value (nominal)	20 nH/N <sup>2</sup>											
<b>Core Loss</b>	Test Winding	N=70, #28 AWG											
	Frequency	10 kHz											
	Voltage on Agilent 4284A	0.14 V											
	AL tolerance	±8%											
	Core Loss(mW/cm <sup>3</sup> )= $\frac{f}{\frac{a}{B_{pk}^3} + \frac{b}{B_{pk}^{2.3}} + \frac{c}{B_{pk}^{1.65}}} + d \cdot B_{pk}^2 \cdot f^2$												
<b>DC Saturation</b>	where B <sub>pk</sub> expressed in gauss, f expressed in hertz, and: a=1.000E+06, b=6.131E+07, c=2.047E+06, d=6.095E-14												
	B <sub>pk</sub>	300 G											
	frequency	100 kHz											
	Core Loss (nominal)	399 mW/cm <sup>3</sup>											
<b>Coating/Pkg</b>	Core Loss (maximum)	459 mW/cm <sup>3</sup>											
	Coating Type:	Blue Epoxy											
	Voltage Breakdown (min.)	1000 Vrms											
<b>Winding Table</b>	Limit	0.1 mA, 5 s											
	Package Quantity	900 Pcs/Box											
	<b>Wire Size</b>	AWG	14	16	18	20	22	24	26	28	30	32	34
		mm	1.600	1.250	1.000	0.800	0.630	0.500	0.400	0.315	0.250	0.200	0.160
<b>Single Layer</b>	Turns	12	15	20	26	32	41	52	65	82	102	128	
	Rdc(Ω)	4.0 m	8.0 m	16.9 m	35.0 m	68.5 m	139.5 m	281.4 m	559.5 m	1.1	2.2	4.4	
<b>Full Winding</b>	Turns	12	19	30	46	71	110	170	264	408	632	978	
	Rdc(Ω)	4.0 m	10.1 m	25.4 m	61.9 m	151.9 m	374.3 m	920.1 m	2.3	5.6	13.8	33.9	

