



**Part Number:** **FS-130060-2**

Revision 20190529 - Generated 2019-May-29



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

<b>OD</b>	(nom. - bare core) (max.)	33.02 mm 33.83 mm	1.300 in 1.332 in										
<b>ID</b>	(nom. - bare core) (min.)	19.94 mm 19.30 mm	0.785 in 0.760 in										
<b>HT</b>	(nom. - bare core) (max.)	10.67 mm 11.61 mm	0.420 in 0.457 in										
<b>Mass</b>	(approximate)	37 grams											
<b>Magnetic Dimensions</b>	A <sub>e</sub> - Eff. Mag. Cross Section	0.672 cm <sup>2</sup>											
	L <sub>e</sub> - Eff. Mag. Path Length	8.15 cm											
	V <sub>e</sub> - Eff. Core Volume	5.48 cm <sup>3</sup>											
	WA - Min. Eff. Window Area	2.93 cm <sup>2</sup>											
	sa - Surface Area	40.1 cm <sup>2</sup>											
<b>Inductance</b>	μ <sub>i</sub> (reference)	60											
	A <sub>L</sub> value (nominal)	61 nH/N <sup>2</sup>											
<b>Core Loss</b>	Test Winding	N=70, #22 AWG											
	Frequency	10 kHz											
	Voltage on Agilent 4284A	0.21 V											
	AL tolerance	±8%											
	Core Loss(mW/cm <sup>3</sup> )= $\frac{f}{\frac{a}{Bpk^3} + \frac{b}{Bpk^{2.3}} + \frac{c}{Bpk^{1.65}}} + d \cdot Bpk^2 \cdot f^2$												
<b>DC Saturation</b>	where H expressed in oersteds, and: a=1.000E-02, b=1.949E-07, c=2.099, d=0.000												
	H <sub>DC</sub>	150 Oe											
	Percent Initial Perm(nom.)	58.1%											
	Percent Initial Perm(min.)	48.6%											
	Coating/Pkg	Coating Type:	Blue Epoxy										
<b>Winding Table</b>	Wire Size	AWG	8	10	12	14	16	18	20	22	24	26	28
	Single Layer	Turns	14	18	22	29	36	46	58	73	91	114	142
		Rdc(Ω)	1.4 m	2.8 m	5.4 m	11.4 m	22.4 m	45.6 m	91.5 m	183.1 m	363.0 m	723.2 m	1.4
	Full Winding	Turns	15	24	37	57	88	136	211	326	504	780	1,208
Rdc(Ω)		1.5 m	3.7 m	9.1 m	22.3 m	54.9 m	134.9 m	332.8 m	817.6 m	2.0	4.9	12.2	

