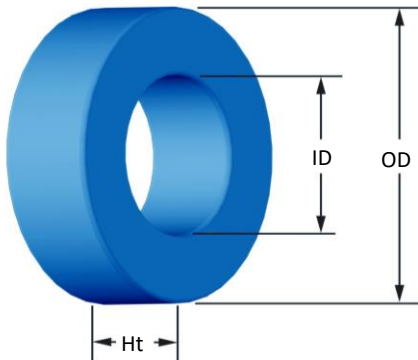




**Part Number: MS-400026-2**

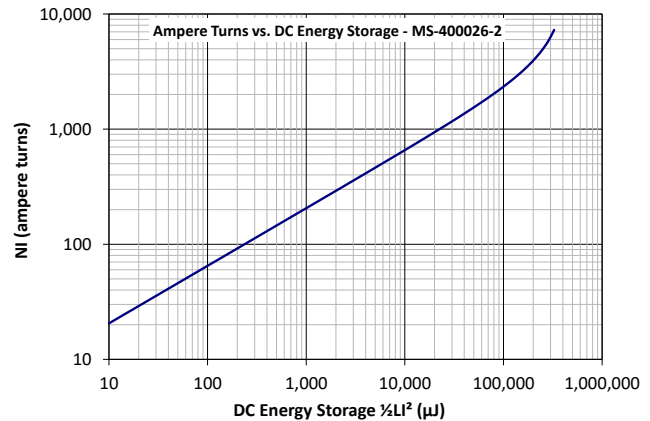
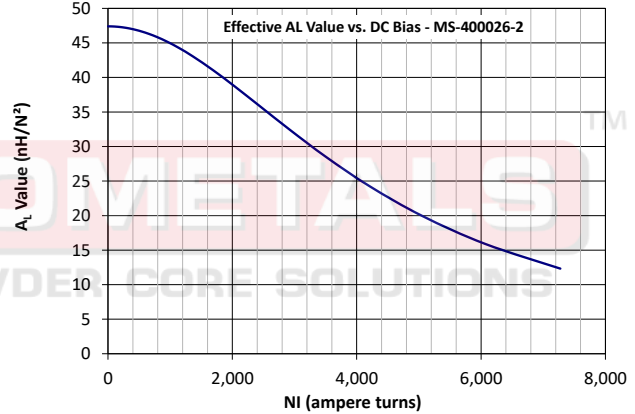
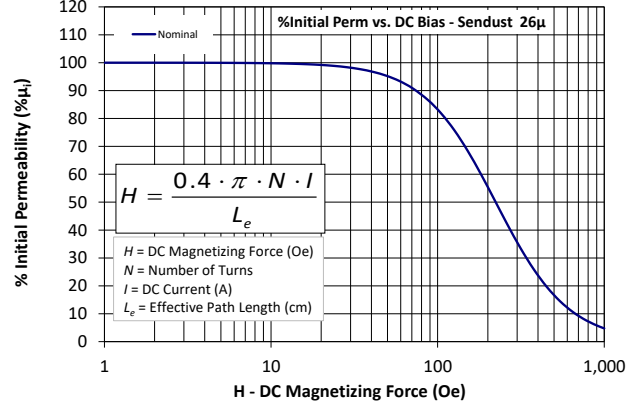
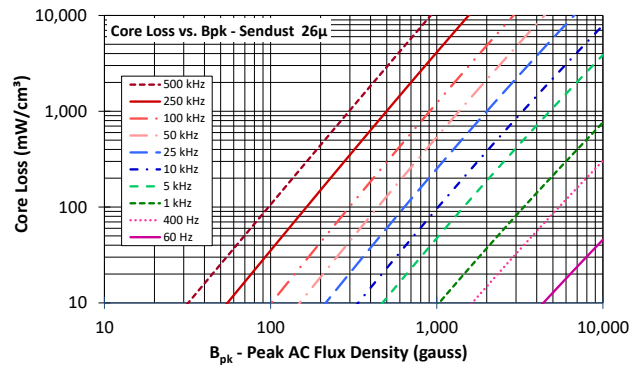
Revision 2021-Dec-01 - Generated 2021-Dec-01



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

<b>OD</b>	(nom. - bare core) (max.)	101.60 mm 102.87 mm	4.000 in 4.050 in
<b>ID</b>	(nom. - bare core) (min.)	57.15 mm 55.75 mm	2.250 in 2.195 in
<b>HT</b>	(nom. - bare core) (max.)	16.51 mm 17.78 mm	0.650 in 0.700 in
<b>Mass</b>	(approximate)	440 grams	
<b>Magnetic Dimensions</b>	A <sub>e</sub> - Eff. Mag. Cross Section	3.52 cm <sup>2</sup>	
	L <sub>e</sub> - Eff. Mag. Path Length	24.271 cm	
	V <sub>e</sub> - Eff. Core Volume	85.5 cm <sup>3</sup>	
	WA - Min. Eff. Window Area	24.4 cm <sup>2</sup>	
	sa - Surface Area	303 cm <sup>2</sup>	
<b>Inductance</b>	μ <sub>i</sub> (reference)	26	
	A <sub>L</sub> value (nominal)	47.4 nH/N <sup>2</sup>	
	Test Winding	N=140, #18 AWG	
	Frequency	10 kHz	
	Voltage on Agilent 4284A	2.2 V	
	AL tolerance	±8%	
<b>Core Loss</b>	Core Loss(mW/cm <sup>3</sup> ): $\frac{a}{B_{pk}^3} + \frac{b}{B_{pk}^{2.3}} + \frac{c}{B_{pk}^{1.65}} + d \cdot B_{pk}^2 \cdot f^2$		
	where B <sub>pk</sub> 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 <sub>pk</sub>	500 G	
	frequency	100 kHz	
	Core Loss (nominal)	295 mW/cm <sup>3</sup>	
Core Loss (maximum)	339 mW/cm <sup>3</sup>		
<b>DC Saturation</b>	$\% \mu_i = \frac{1}{a + b \cdot H^c} + d$		
	where H expressed in oersteds, and: a=1.000E-02, b=2.061E-07, c=1.995, d=0.000		
	H <sub>DC</sub>	200 Oe	
<b>Coating/Pkg</b>	Coating Type:	Blue Epoxy	
	Voltage Breakdown (min.)	1000 Vrms	
	Limit	0.1 mA, 5 s	
	Package Quantity	16 Pcs/Box	

<b>Winding Table</b>	<b>Wire Size</b>	AWG	8	10	12	14	16	18	20	22	24	26	28
		mm	3.150	2.500	2.000	1.600	1.250	1.000	0.800	0.630	0.500	0.400	0.315
	<b>Single Layer</b>	Turns	44	56	70	88	110	138	172	215	268	335	417
		Rdc(Ω)	10.0 m	20.2 m	40.2 m	80.5 m	160.0 m	319.2 m	632.7 m	1.3	2.5	5.0	9.8
<b>Full Winding</b>	Turns	128	198	306	474	733	1,135	1,756	2,719	4,208	6,512	10,079	
	Rdc(Ω)	29.1 m	71.6 m	175.9 m	433.4 m	1.1	2.6	6.5	15.9	39.1	96.4	237.2	



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[XRRH14.2\\*20\\*8](#) [XRRH14.2\\*28.5\\*6.35](#) [XRR8\\*30](#) [XRRH10.5\\*20\\*5.5](#) [XRRH10.5\\*20\\*6.5](#) [XRFS23.5\\*6.5\\*19.5\\*15-1.4](#) [XRR10\\*10](#)  
[XRRH9.5\\*12.5\\*5](#)