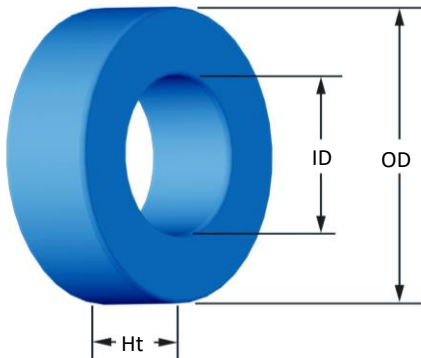




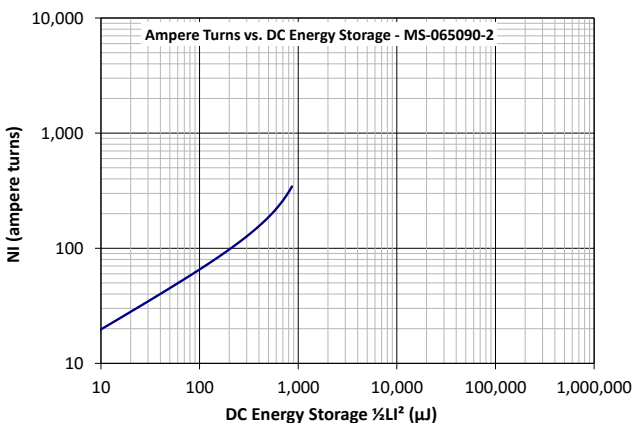
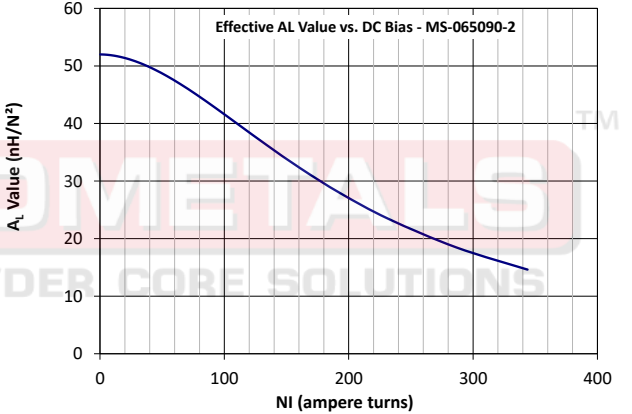
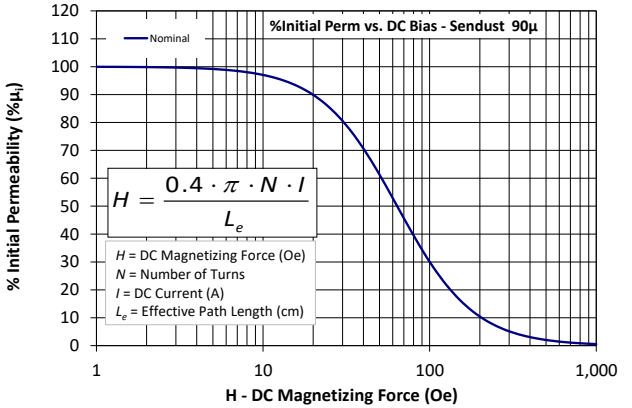
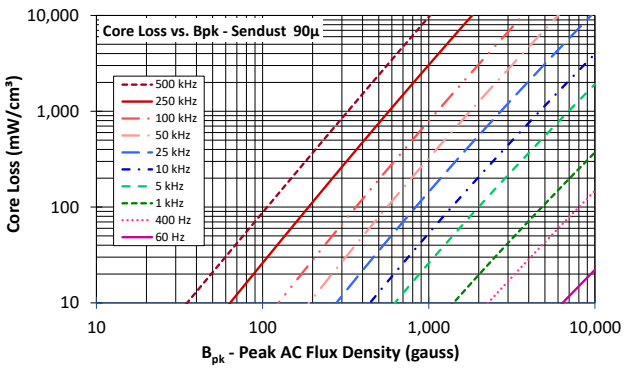
Part Number: MS-065090-2

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



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

OD	(nom. - bare core) (max.)	16.64 mm 17.40 mm	0.655 in 0.685 in										
ID	(nom. - bare core) (min.)	10.16 mm 9.53 mm	0.400 in 0.375 in										
HT	(nom. - bare core) (max.)	6.35 mm 7.11 mm	0.250 in 0.280 in										
Mass	(approximate)	4.7 grams											
Magnetic Dimensions	A _e - Eff. Mag. Cross Section	0.192 cm ²											
	L _e - Eff. Mag. Path Length	4.11 cm											
	V _e - Eff. Core Volume	0.789 cm ³											
	WA - Min. Eff. Window Area	0.713 cm ²											
	sa - Surface Area	11.2 cm ²											
Inductance	μ _i (reference)	90											
	A _L value (nominal)	52 nH/N ²											
Core Loss	Test Winding	N=70, #28 AWG											
	Frequency	10 kHz											
	Voltage on Agilent 4284A	0.060 V											
	AL tolerance	±8%											
	Core Loss(mW/cm ³):	$\frac{a}{Bpk^3} + \frac{b}{Bpk^{2.3}} + \frac{c}{Bpk^{1.65}} + d \cdot Bpk^2 \cdot f^2$											
DC Saturation	where B _{pk} expressed in gauss, f expressed in hertz, and: a=7.890E+09, b=7.111E+08, c=8.980E+06, d=2.846E-14												
	B _{pk}	1000 G											
	frequency	50 kHz											
	Core Loss (nominal)	323 mW/cm ³											
	Core Loss (maximum)	372 mW/cm ³											
DC Saturation	$\% \mu_i = \frac{1}{a + b \cdot H^c} + d$												
	where H expressed in oersteds, and: a=1.000E-02, b=3.994E-06, c=1.883, d=0.000												
	H _{dc}	50 Oe											
Coating/Pkg	Percent Initial Perm(nom.)	61.3%											
	Percent Initial Perm(min.)	52.9%											
	Coating Type:	Blue Epoxy											
	Voltage Breakdown (min.)	1000 Vrms											
Winding Table	Limit	0.1 mA, 5 s											
	Package Quantity	2,880 Pcs/Box											
	Wire Size	AWG	12	14	16	18	20	22	24	26	28	30	32
		mm	2.000	1.600	1.250	1.000	0.800	0.630	0.500	0.400	0.315	0.250	0.200
Single Layer	Turns	10	13	17	21	27	34	44	55	69	86	108	
	Rdc(Ω)	1.4 m	2.9 m	6.0 m	11.8 m	24.1 m	48.3 m	99.4 m	197.7 m	394.4 m	781.8 m	1.6	
Full Winding	Turns	9	14	21	33	51	79	123	190	295	456	706	
	Rdc(Ω)	1.3 m	3.1 m	7.4 m	18.5 m	45.6 m	112.3 m	278.0 m	682.9 m	1.7	4.1	10.2	



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[XRRH3.5*4*1.0](#) [XRR3*12](#) [XRRH3.5*9*1.0](#) [XRRH3.5*5*1.8](#) [XRR4*10](#) [XRRH3.5*9.0*1.5](#) [XRRH3.5*3.5*1.5](#) [XRRH3.5*5*1.5](#)
[XRRH3.5*2*1.8](#) [XRRH3.5*3*1.5](#) [XRRH4*6*2](#) [XRRH3.5*3*1.8](#) [F9-BP RH 3.5*6*1.5](#) [F9-BP T 3.5*3*1.5](#) [F9-BP RH 3.5*4*1.5](#) [F9-AP RH](#)
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[XRRH10.5*20*6.5](#)