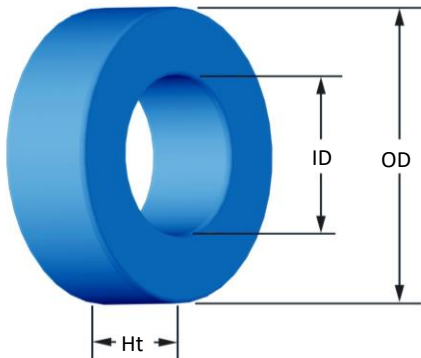




**Part Number:** MS-068060-2  
Revision 2021-Dec-01 - Generated 2021-Dec-01



(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.)	6.35 mm 7.11 mm	0.250 in 0.280 in									
<b>Mass</b>	(approximate)	5.6 grams										
<b>Magnetic Dimensions</b>	A <sub>e</sub> - Eff. Mag. Cross Section	0.232 cm <sup>2</sup>										
	L <sub>e</sub> - Eff. Mag. Path Length	4.14 cm										
	V <sub>e</sub> - Eff. Core Volume	0.961 cm <sup>3</sup>										
	WA - Min. Eff. Window Area	0.639 cm <sup>2</sup>										
	sa - Surface Area	11.7 cm <sup>2</sup>										
<b>Inductance</b>	μ <sub>i</sub> (reference)	60										
	A <sub>L</sub> value (nominal)	43 nH/N <sup>2</sup>										
	Test Winding	N=70, #28 AWG										
	Frequency	10 kHz										
	Voltage on Agilent 4284A	0.072 V										
<b>Core Loss</b>	AL tolerance	±8%										
	Core Loss(mW/cm <sup>3</sup> ): $\frac{f}{Bpk^3} + \frac{b}{Bpk^{2.3}} + \frac{c}{Bpk^{1.65}} + d \cdot Bpk^2 \cdot f^2$											
	where B <sub>pk</sub> 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 <sub>pk</sub>	1000 G										
	frequency	50 kHz										
<b>DC Saturation</b>	Core Loss (nominal)	323 mW/cm <sup>3</sup>										
	Core Loss (maximum)	372 mW/cm <sup>3</sup>										
	$\% \mu_i = \frac{1}{a + b \cdot H^c} + d$ where H expressed in oersteds, and: a=1.000E-02, b=2.151E-06, c=1.841, d=0.000											
<b>Coating/Pkg</b>	H <sub>dc</sub>	100 Oe										
	Percent Initial Perm(nom.)	49.2%										
	Percent Initial Perm(min.)	40.9%										
	Coating Type:	Blue Epoxy										
<b>Winding Table</b>	Voltage Breakdown (min.)	1000 Vrms										
	Limit	0.1 mA, 5 s										
	Package Quantity	2,340 Pcs/Box										
	Wire Size	AWG	14	16	18	20	22	24	26	28	30	32
Single Layer	Turns	1.600	1.250	1.000	0.800	0.630	0.500	0.400	0.315	0.250	0.200	0.160
	Rdc(Ω)	2.8 m	5.5 m	11.6 m	24.0 m	47.0 m	95.7 m	193.1 m	383.8 m	770.0 m	1.5	3.0
Full Winding	Turns	12	19	30	46	71	110	170	264	408	632	978
	Rdc(Ω)	2.8 m	6.9 m	17.4 m	42.5 m	104.2 m	256.8 m	631.1 m	1.6	3.8	9.4	23.2

