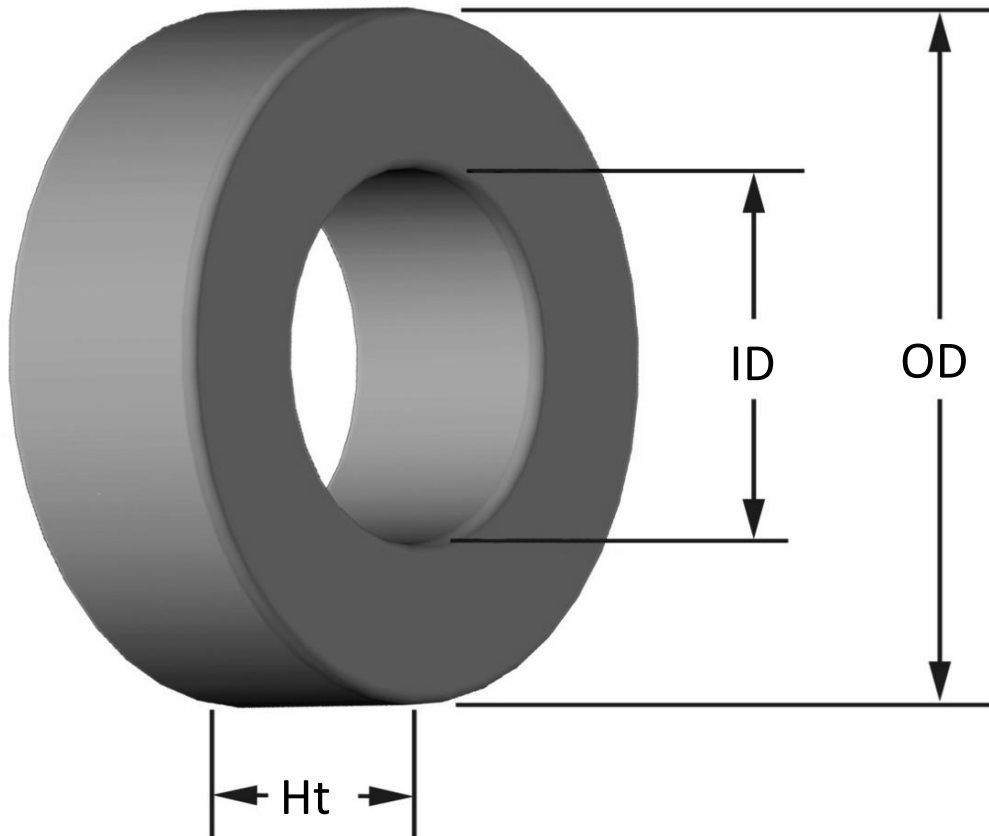


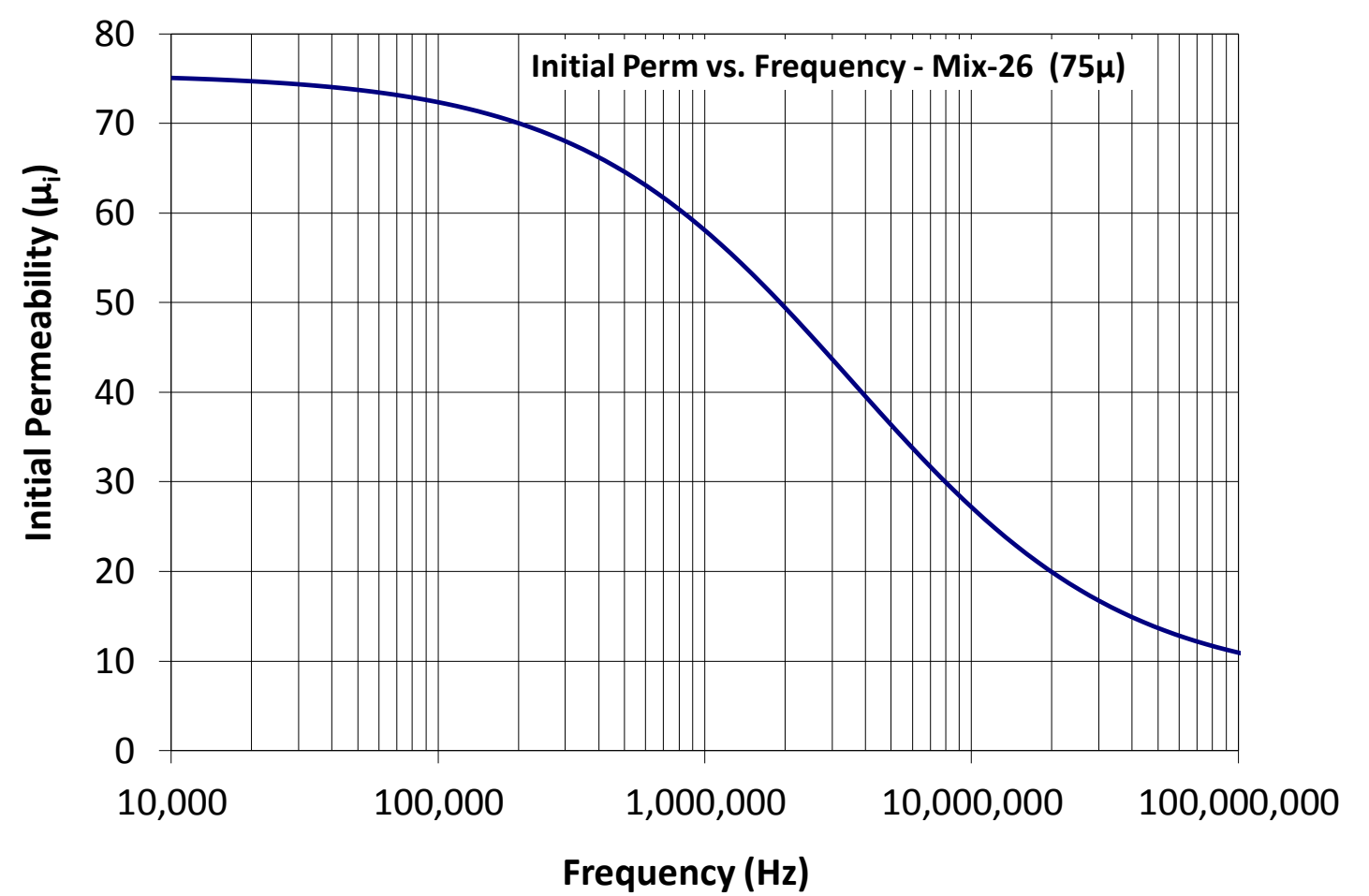
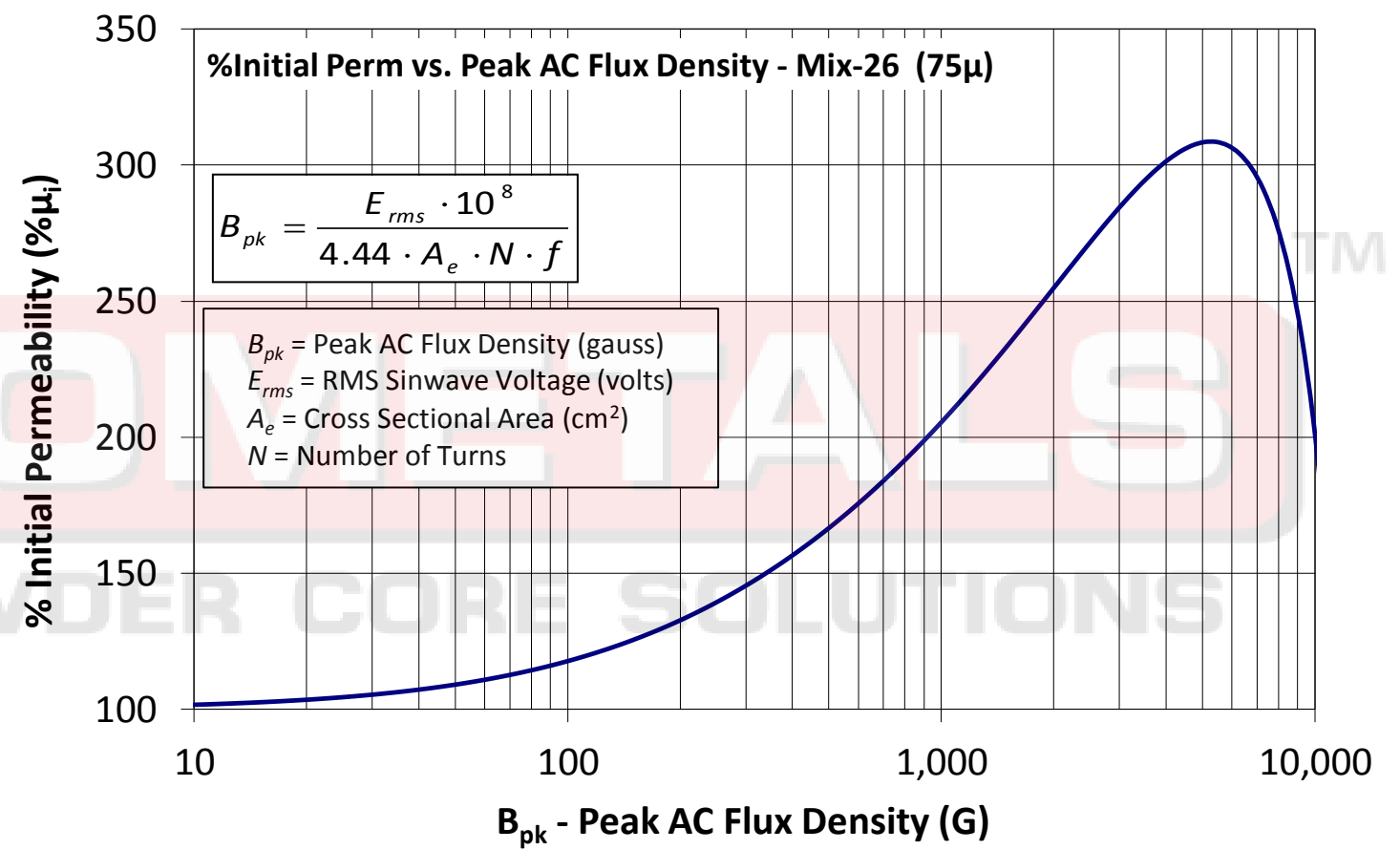
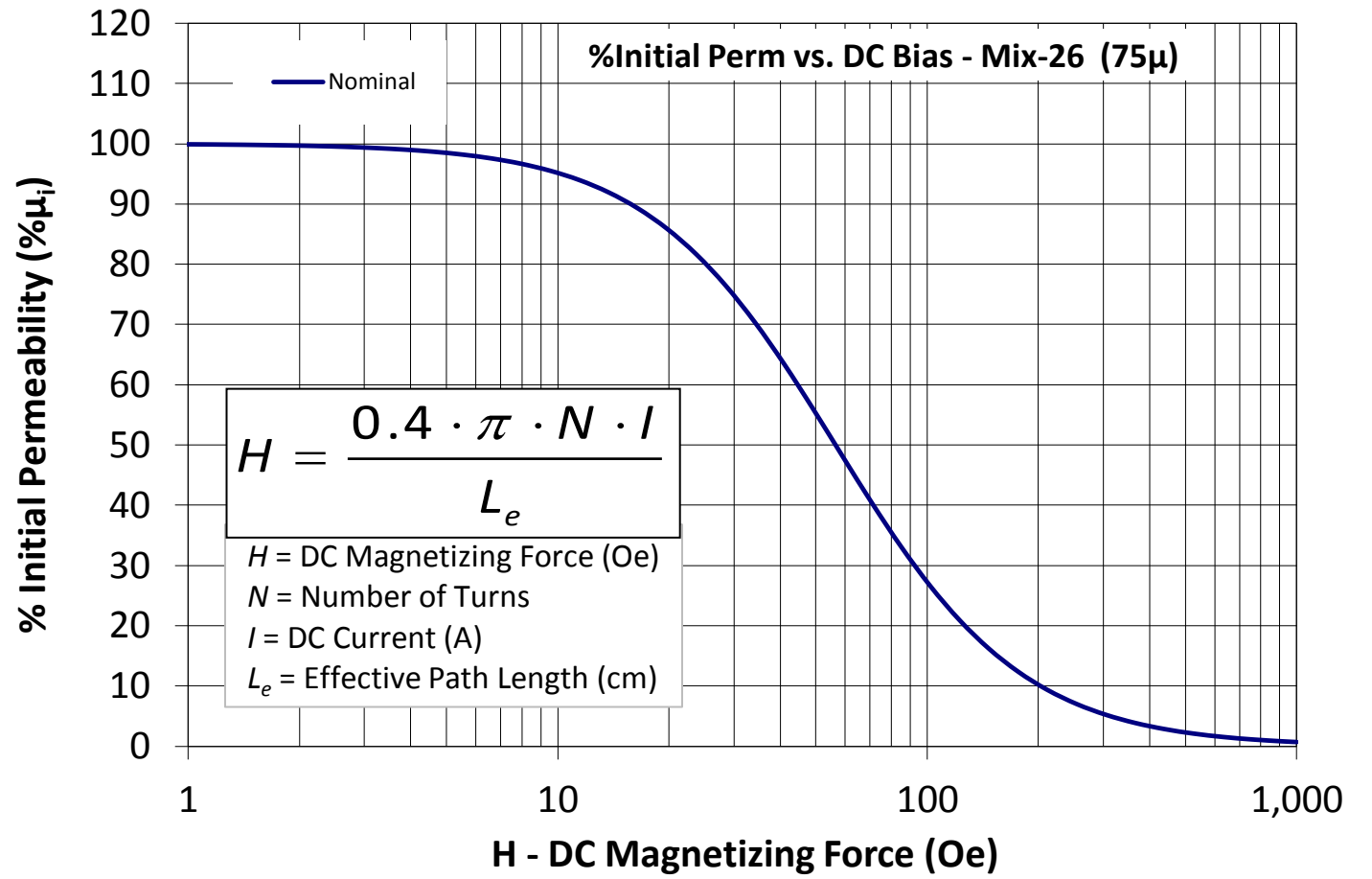
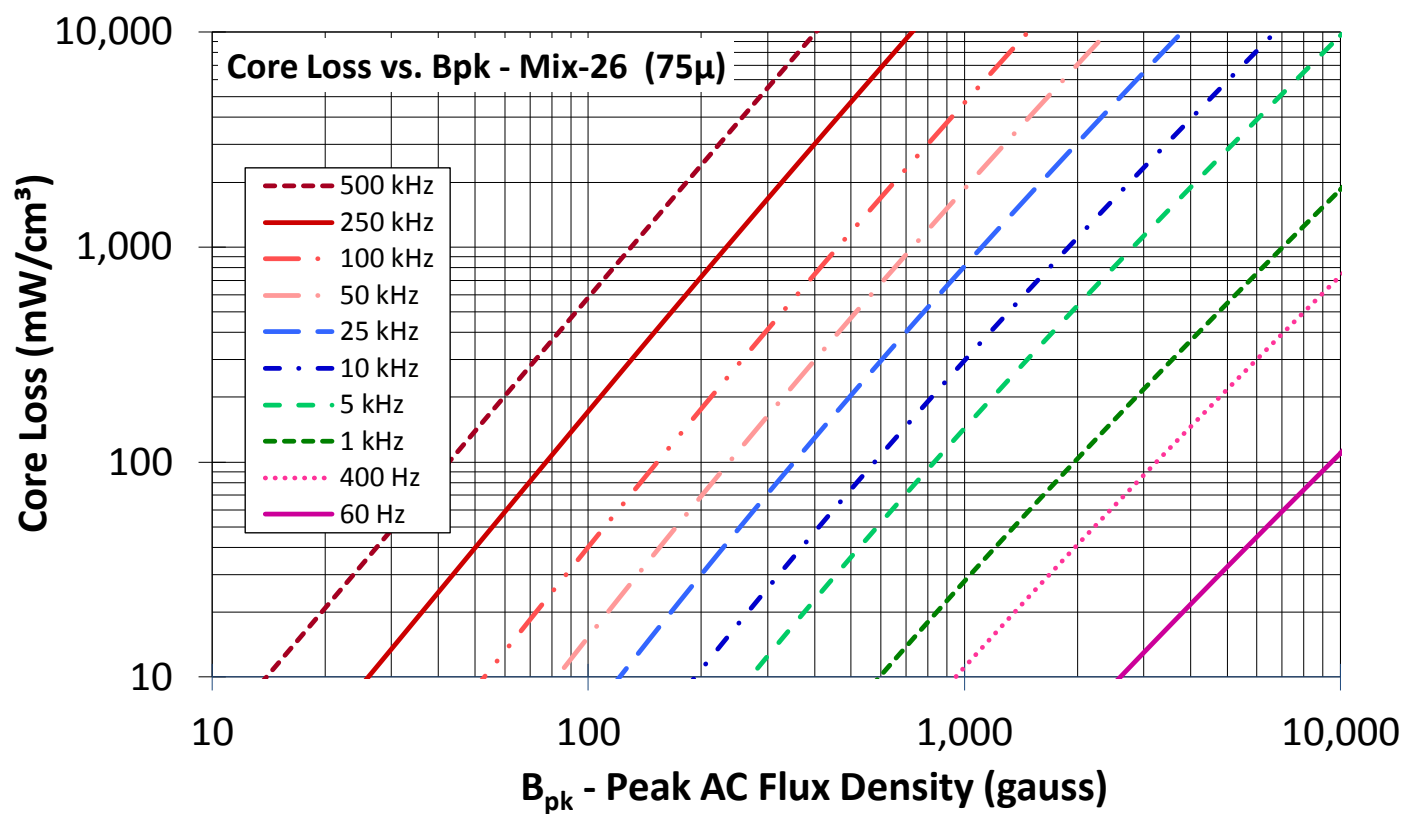


**Part Number:** **T355-26D**

Revision 20190524 - Generated 2019-May-30



<b>OD</b>	(nom. - bare core) (max. - after coating)	90.17 mm 90.93 mm	3.550 in 3.580 in
<b>ID</b>	(nom. - bare core) (min. - after coating)	57.15 mm 56.39 mm	2.250 in 2.220 in
<b>Ht</b>	(nom. - bare core) (max. - after coating)	33.02 mm 33.78 mm	1.300 in 1.330 in
<b>Mass</b>	(approximate)	840 grams	
<b>Magnetic Dimensions</b>	A <sub>e</sub> - Eff. Mag. Cross Section	5.18 cm <sup>2</sup>	
	L <sub>e</sub> - Eff. Mag. Path Length	23.1 cm	
	V <sub>e</sub> - Eff. Core Volume	120 cm <sup>3</sup>	
	WA - Min. Eff. Window Area	25.0 cm <sup>2</sup>	
	sa - Surface Area	303 cm <sup>2</sup>	
	mlt - mean length per turn	13.0 cm	
<b>Inductance</b>	μ <sub>i</sub> (reference)	75	
	A <sub>L</sub> value (nominal)	200 nH/N <sup>2</sup>	
	Test Winding	N=100, #22 AWG	
	Frequency	10 kHz	
	Voltage on Agilent 4284A	2.3 V	
A <sub>L</sub> tolerance	±10%		
<b>Core Loss</b>	$\text{Core Loss (mW/cm}^3\text{)} = \frac{f}{\frac{a}{B_{pk}^3} + \frac{b}{B_{pk}^{2.3}} + \frac{c}{B_{pk}^{1.65}}} + d \cdot B_{pk}^2 \cdot f^2$		
	where B <sub>pk</sub> expressed in gauss, f expressed in hertz, and: a=1.00E+09, b=1.10E+08, c=1.90E+06, d=1.90E-13		
	B <sub>pk</sub>	140 G	
	frequency	100 kHz	
	Core Loss (nominal)	83 mW/cm <sup>3</sup>	
Core Loss (maximum)	95 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=1.00E-02, b=9.70E-06, c=1.72, d=0.00		
	H <sub>DC</sub>	50 Oe	
	Percent Initial Perm(nom.)	55.2%	
Percent Initial Perm(min.)	47.4%		
<b>Coating/Pkg</b>	Coating Type:	Yellow/White Epoxy Paint	
	Voltage Breakdown (min.)	500 Vrms, 60Hz	
	Limit	3 mA, 5 s	
	Package Quantity	20 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	45	57	71	89	112	140	174	218	271	338	422
		Rdc(Ω)	12.1 m	24.3 m	48.1 m	95.9 m	192.0 m	381.6 m	754.3 m	1.5	3.0	5.9	11.7
<b>Full Winding</b>	Turns	131	202	313	485	750	1,161	1,797	2,781	4,304	6,662	10,312	
	Rdc(Ω)	35.1 m	86.1 m	212.1 m	522.7 m	1.3	3.2	7.8	19.2	47.2	116.2	286.0	