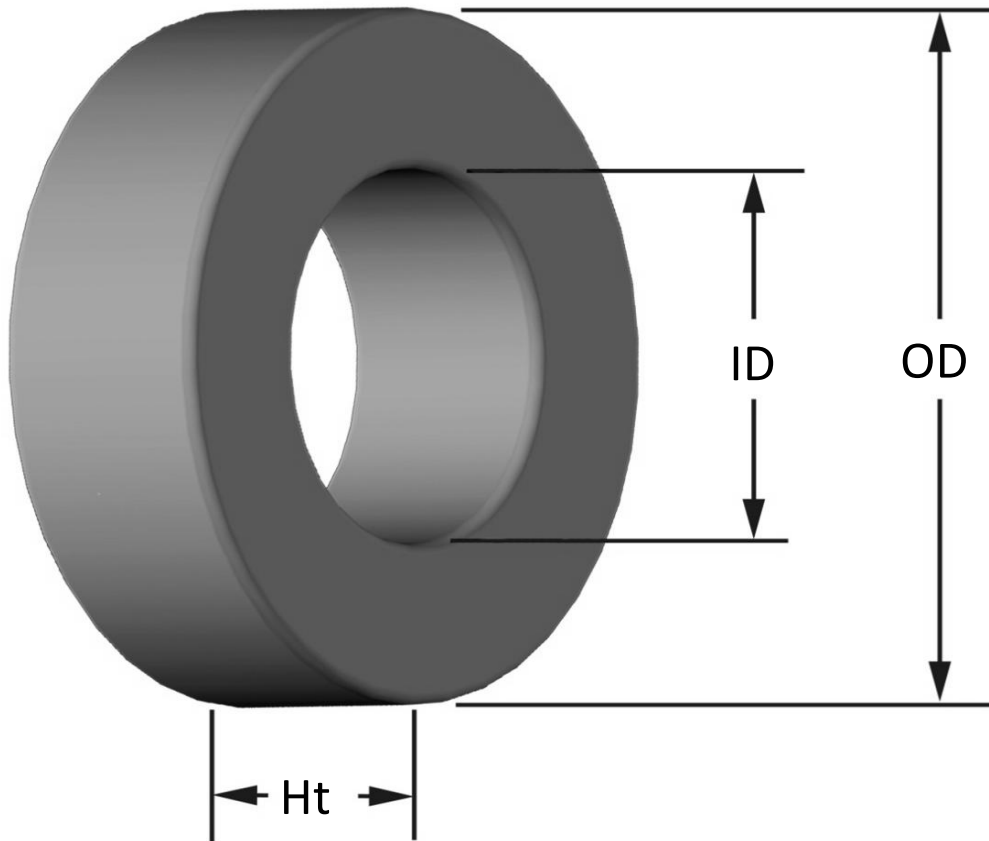


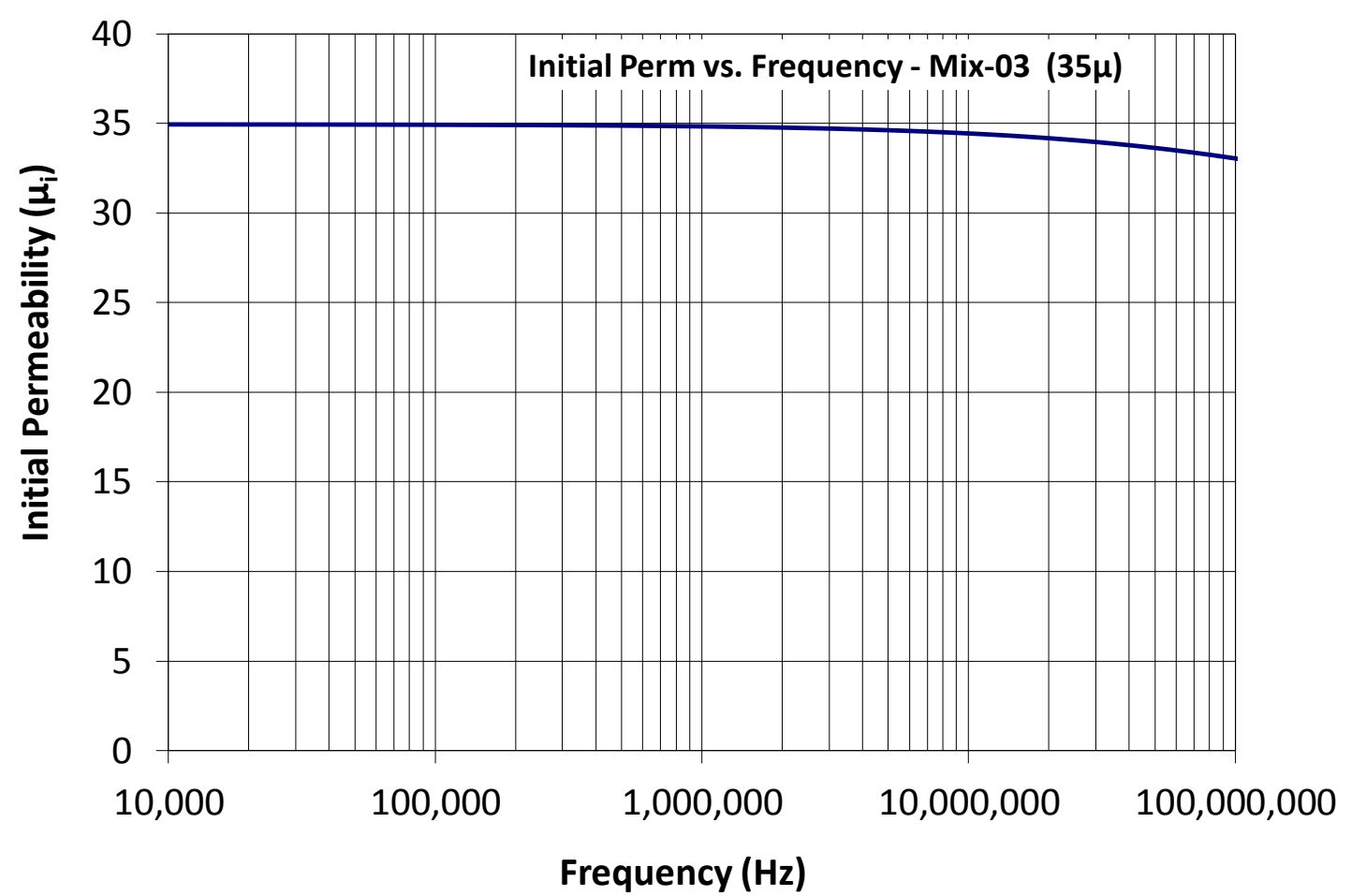
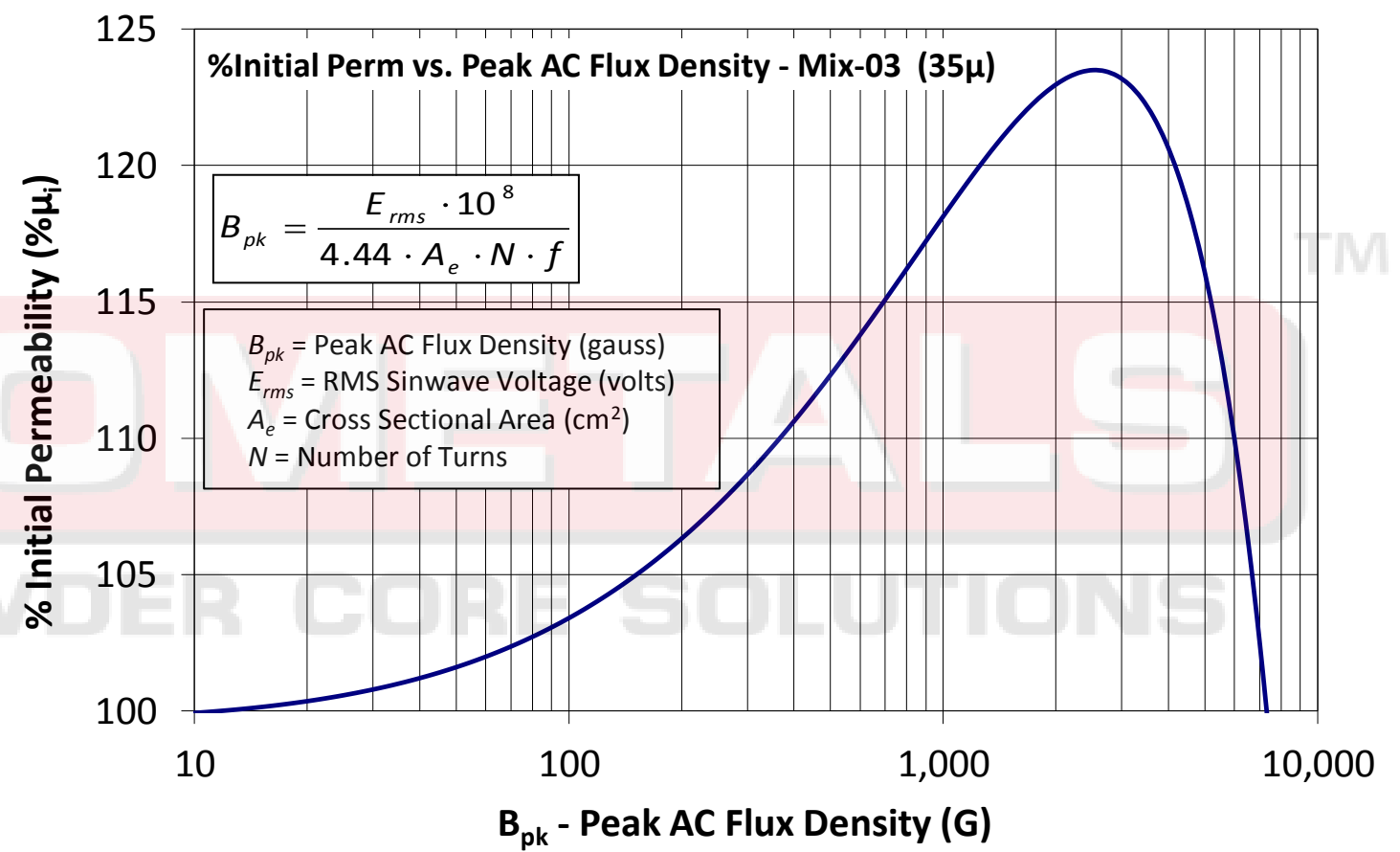
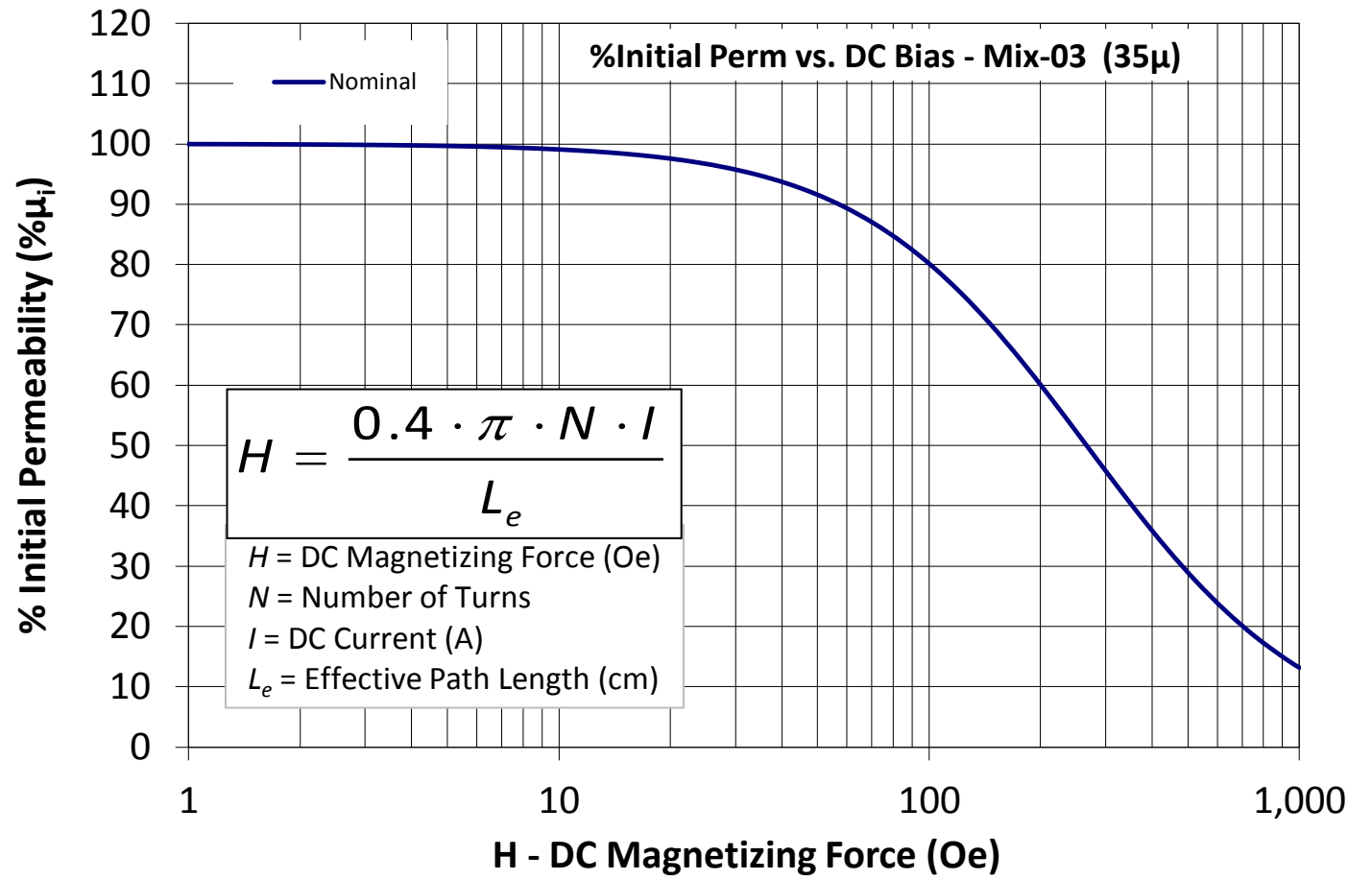
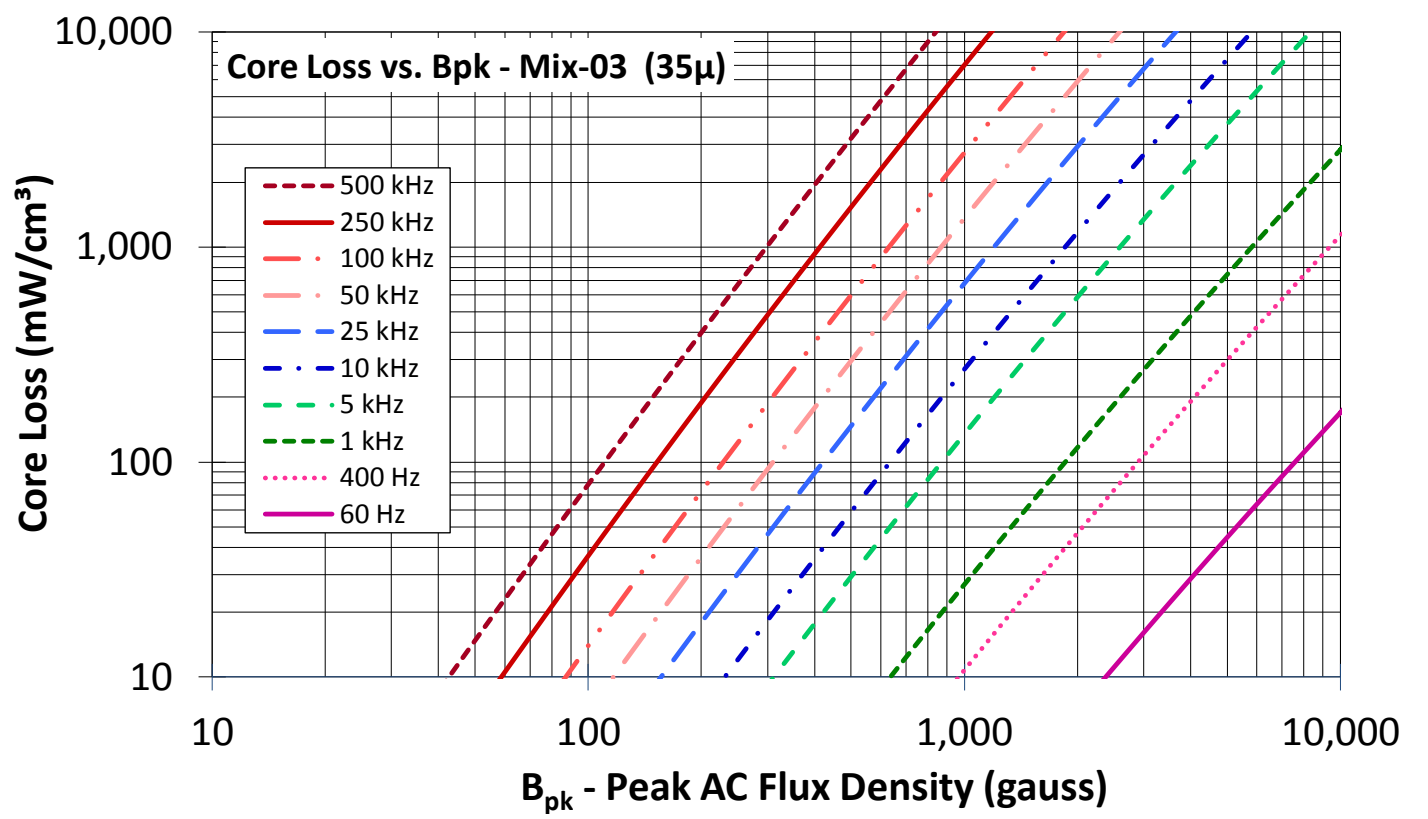


Part Number: **T106-3**

Revision 20190524 - Generated 2019-May-30



| | | | |
|----------------------------|--|------------------------|----------------------|
| OD | (nom. - bare core) (max. - after coating) | 26.92 mm 27.43 mm | 1.060 in 1.080 in |
| ID | (nom. - bare core) (min. - after coating) | 14.48 mm 13.97 mm | 0.570 in 0.550 in |
| Ht | (nom. - bare core) (max. - after coating) | 11.10 mm 11.73 mm | 0.437 in 0.462 in |
| Mass | (approximate) | 28 grams | |
| Magnetic Dimensions | A _e - Eff. Mag. Cross Section | 0.659 cm ² | |
| | L _e - Eff. Mag. Path Length | 6.49 cm | |
| | V _e - Eff. Core Volume | 4.28 cm ³ | |
| | WA - Min. Eff. Window Area | 1.53 cm ² | |
| | sa - Surface Area | 28.1 cm ² | |
| | mlt - mean length per turn | 4.39 cm | |
| Inductance | μ _i (reference) | 35 | |
| | A _L value (nominal) | 45 nH/N ² | |
| | Test Winding | N=100, #28 AWG | |
| | Frequency | 10 kHz | |
| | Voltage on Agilent 4284A | 0.29 V | |
| A _L tolerance | ±10% | | |
| Core Loss | $\text{Core Loss (mW/cm}^3\text{)} = \frac{f}{\frac{a}{B_{pk}^3} + \frac{b}{B_{pk}^{2.3}} + \frac{c}{B_{pk}^{1.65}}} + d \cdot B_{pk}^2 \cdot f^2$ | | |
| | where B _{pk} expressed in gauss, f expressed in hertz, and: a=1.90E+09, b=2.00E+08, c=9.00E+05, d=4.30E-15 | | |
| | B _{pk} | 140 G | |
| | frequency | 100 kHz | |
| | Core Loss (nominal) | 31 mW/cm ³ | |
| Core Loss (maximum) | 36 mW/cm ³ | | |
| DC Saturation | $\% \mu_i = \frac{1}{a + b \cdot H^c} + d$ | | |
| | where H expressed in oersteds, and: a=1.00E-02, b=3.49E-06, c=1.43, d=0.00 | | |
| | H _{DC} | 200 Oe | |
| | Percent Initial Perm(nom.) | 60.1% | |
| Percent Initial Perm(min.) | 53.7% | | |
| Coating/Pkg | Coating Type: | Gray/Clear Epoxy Paint | |
| | Voltage Breakdown (min.) | 500 Vrms, 60Hz | |
| | Limit | 3 mA, 5 s | |
| | Package Quantity | 700 Pcs/Box | |



| | | | | | | | | | | | | | |
|----------------------|---------------------|--------|-------|--------|--------|--------|---------|---------|---------|---------|---------|---------|-------|
| Winding Table | Wire Size | AWG | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 |
| | | mm | 2.500 | 2.000 | 1.600 | 1.250 | 1.000 | 0.800 | 0.630 | 0.500 | 0.400 | 0.315 | 0.250 |
| | Single Layer | Turns | 12 | 15 | 20 | 26 | 32 | 41 | 52 | 65 | 82 | 102 | 128 |
| | | Rdc(Ω) | 1.7 m | 3.4 m | 7.3 m | 15.0 m | 29.4 m | 59.9 m | 120.8 m | 240.2 m | 482.0 m | 953.5 m | 1.9 |
| Full Winding | Turns | 12 | 19 | 30 | 46 | 71 | 110 | 171 | 264 | 409 | 633 | 980 | |
| | Rdc(Ω) | 1.7 m | 4.3 m | 10.9 m | 26.6 m | 65.2 m | 160.7 m | 397.4 m | 975.7 m | 2.4 | 5.9 | 14.6 | |