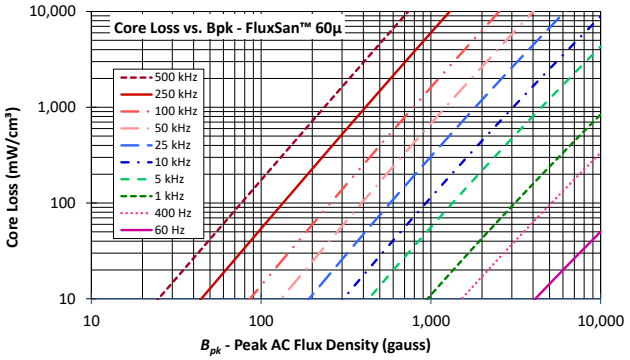
Material:	FluxSan™ 60µ Toroid

Revision 20200519 - Generated 2020-May-26

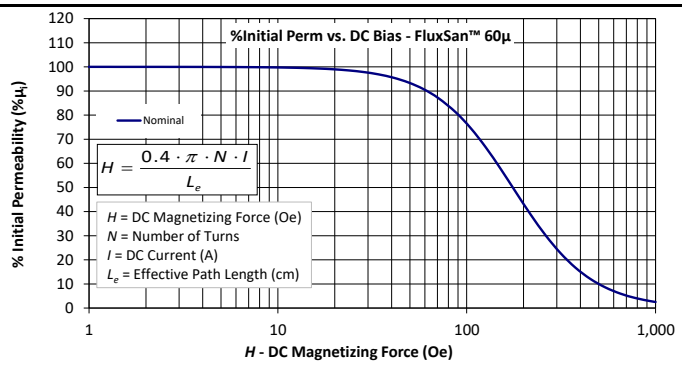
µi (reference)	060
Typical AL tolerance	± 8%
Density	6.8 g/cm³
Bsat	17.6 kG
Core Loss (50kHz, 1000g)	676 mW/cm³ (nom) 778 mW/cm³ (max)
%Perm at DC Bias (150 Oe)	58.1% (nom) 48.6% (min)



$$\text{Core Loss (mW/cc)} = \frac{f}{\frac{a}{B_{pk}^{\ 3}} + \frac{b}{B_{pk}^{\ 2.3}} + \frac{c}{B_{pk}^{\ 1.65}}} + d \cdot B_{pk}^{\ 2} \cdot f^{2}$$

where B_{pk} expressed in gauss, f in hertz, and:

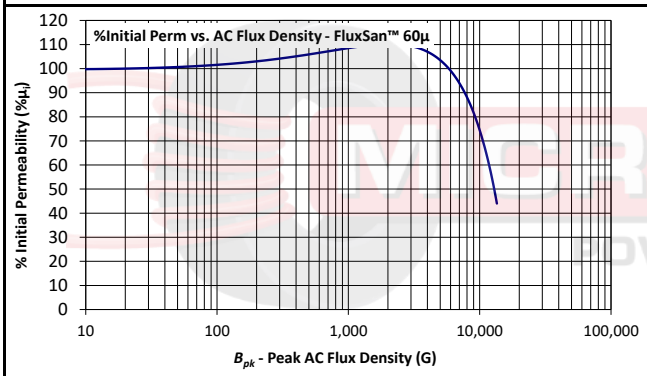
a=1.000E+06, b=3.903E+08, c=3.785E+06, d=5.229E-14



$$\%\mu_i = \frac{1}{a + b \cdot H^{c}} + d$$

where H expressed in oersted, and:

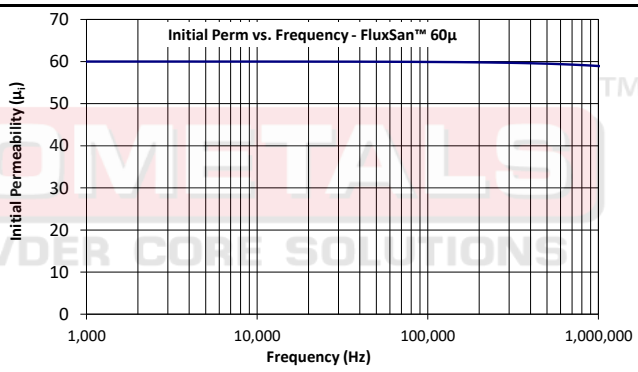
a=1.000E-02, b=1.949E-07, c=2.099E+00, d=0.000E+00



$$\%\mu_i = \frac{1}{\frac{1}{a + bB^{c}} + \frac{1}{dB^{e}} + \frac{1}{f}}$$

where B_{pk} expressed in gauss, and:

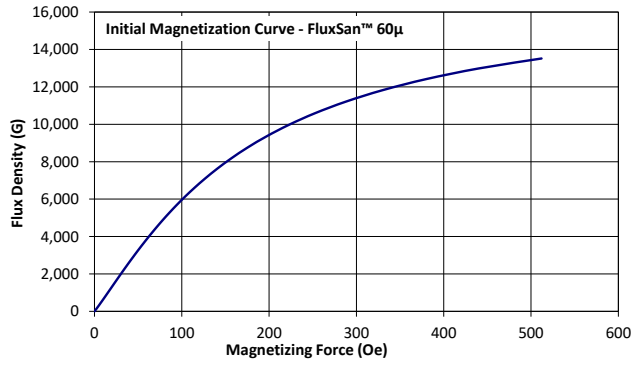
a=5.873E+02, b=3.622E-01, c=1.073E+00, d=1.217E+10, e=-1.934E+00, f=1.205E+02



$$\mu_i = \frac{1}{a + bf^{c}} + d$$

where f expressed in hertz, and:

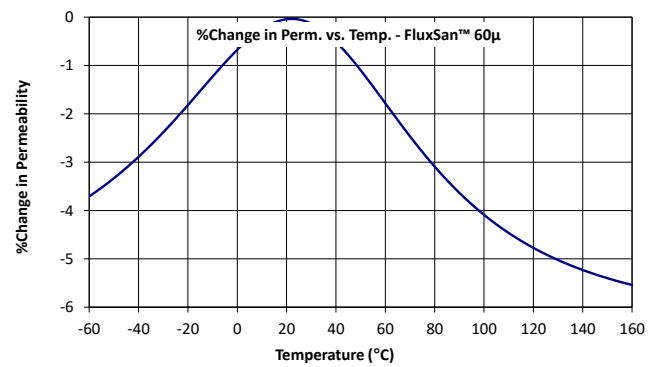
a=1.667E-02, b=1.025E-10, c=1.078E+00, d=0.000E+00



$$B_{pk} = \frac{\mu_i}{\frac{1}{H + aH^{b}} + \frac{1}{cH^{d}} + \frac{1}{e}}$$

where B_{pk} expressed in gauss, H in oersted, and:

a=3.867E-02, b=1.688E+00, c=3.957E+01, d=6.206E-01, e=2.940E+02



$$\%\left(\frac{\Delta\mu_i}{\mu_i}\right) = \frac{a + cT + eT^{2}}{1 + bT + dT^{2}}$$

where T expressed in celsius, and:

a=-6.757E-01, b=-1.104E-02, c=5.837E-02, d=2.073E-04, e=-1.321E-03

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