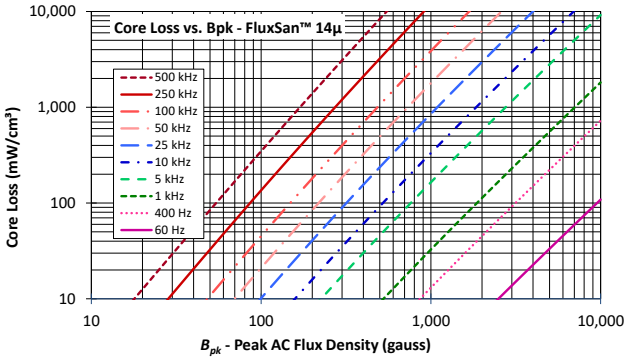
Material:	FluxSan™ 14µ Toroid

Revision 20200519 - Generated 2020-May-26

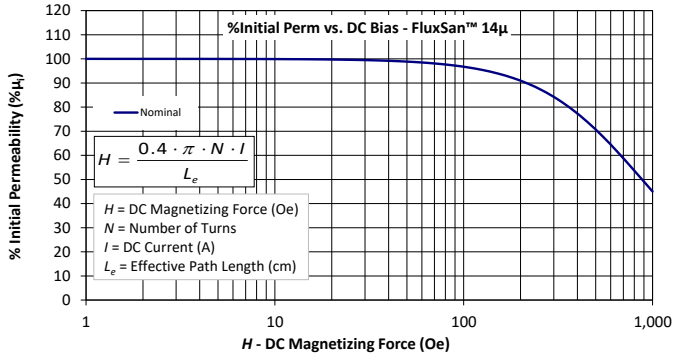
µi (reference)	014
Typical AL tolerance	± 8%
Density	5.5 g/cm³
Bsat	15.3 kG
Core Loss (100kHz, 300g)	399 mW/cm³ (nom) 459 mW/cm³ (max)
%Perm at DC Bias (200 Oe)	90.9% (nom) 88.3% (min)



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

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

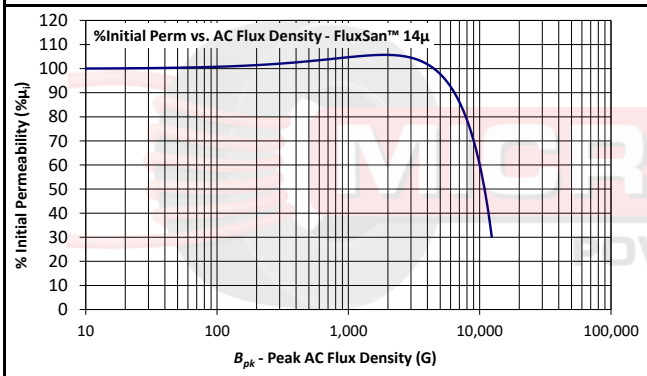
a=1.000E+06, b=6.131E+07, c=2.047E+06, d=6.095E-14



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

where H expressed in oersted, and:

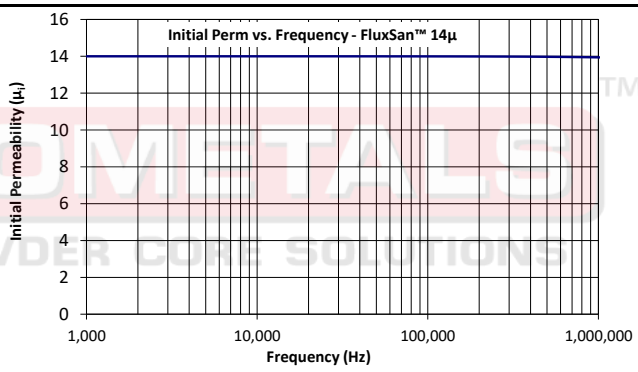
a=1.000E-02, b=2.600E-07, c=1.557E+00, d=0.000E+00



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

where B_{pk} expressed in gauss, and:

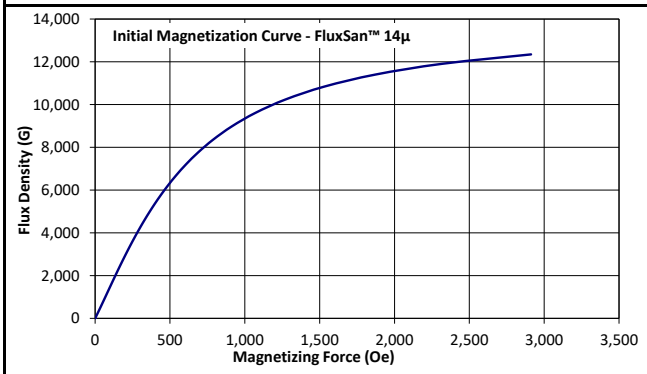
a=1.668E+03, b=2.284E-01, c=1.451E+00, d=1.607E+15, e=-3.264E+00, f=1.064E+02



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

where f expressed in hertz, and:

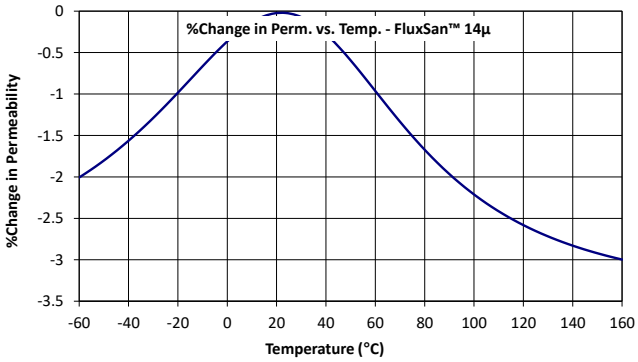
a=7.143E-02, b=1.025E-10, c=1.078E+00, d=0.000E+00



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

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

a=4.225E-03, b=1.879E+00, c=3.992E+02, d=3.453E-01, e=1.094E+03



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

where T expressed in celsius, and:

a=-3.656E-01, b=-1.104E-02, c=3.158E-02, d=2.073E-04, e=-7.149E-04

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