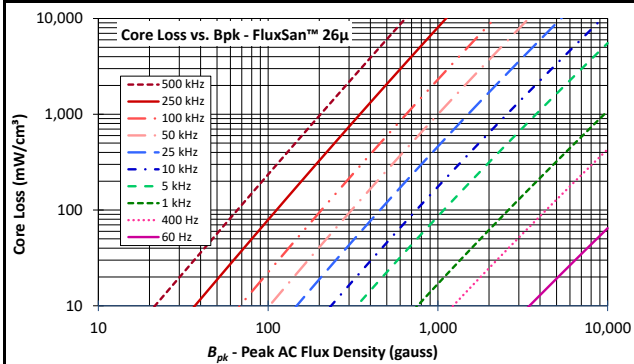




Material: FluxSan™ 26μ Toroid

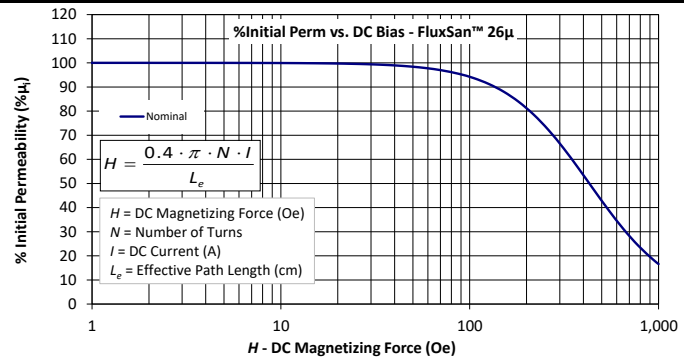
Revision 20200519 - Generated 2020-May-26

μi (reference)	026
Typical AL tolerance	± 8%
Density	6.3 g/cm ³
Bsat	16.8 kG
Core Loss (100kHz, 300g)	214 mW/cm ³ (nom) 246 mW/cm ³ (max)
	81.2% (nom)
%Perm at DC Bias (200 Oe)	75.3% (min)



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

where B_{pk} expressed in gauss, f in hertz, and:
 $a=1.000E+06$, $b=1.812E+08$, $c=3.251E+06$, $d=6.158E-14$

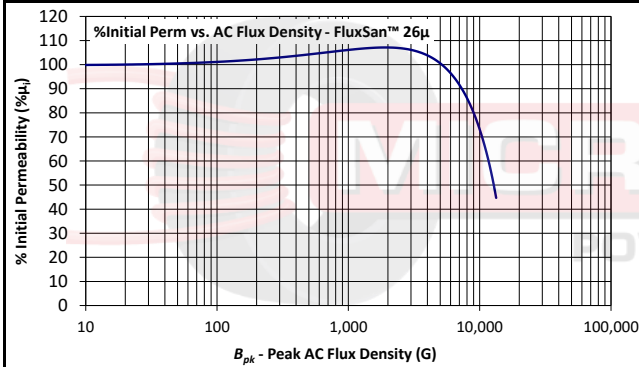


$$H = \frac{0.4 \cdot \pi \cdot N \cdot I}{L_e}$$

H = DC Magnetizing Force (Oe)
 N = Number of Turns
 I = DC Current (A)
 L_e = Effective Path Length (cm)

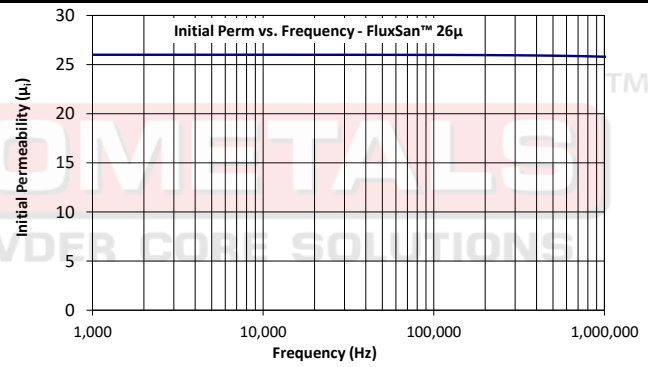
$$\% \mu_i = \frac{1}{a + b \cdot H^c} + d$$

where H expressed in oersted, and:
 $a=1.000E-02$, $b=9.210E-08$, $c=1.912E+00$, $d=0.000E+00$



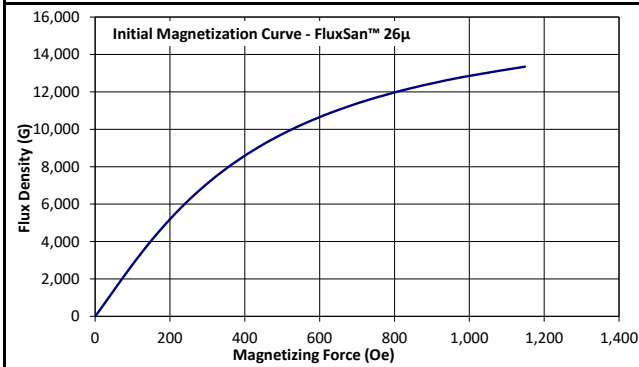
$$\% \mu_i = \frac{1}{\frac{1}{a + bB^c} + \frac{1}{dB^e} + \frac{1}{f}}$$

where B_{pk} expressed in gauss, and:
 $a=9.117E+02$, $b=4.895E-01$, $c=1.127E+00$, $d=1.706E+11$, $e=-2.218E+00$, $f=1.123E+02$



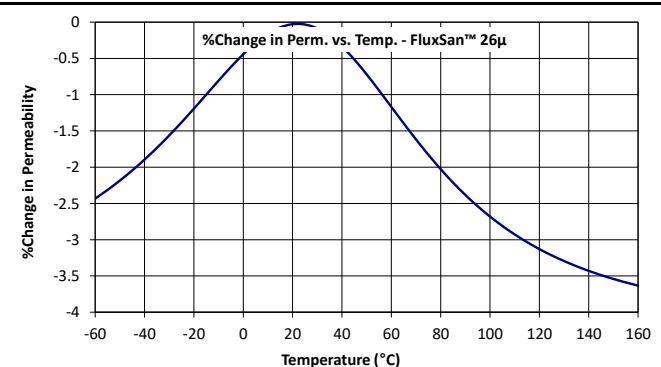
$$\mu_i = \frac{1}{a + bf^c} + d$$

where f expressed in hertz, and:
 $a=3.846E-02$, $b=1.025E-10$, $c=1.078E+00$, $d=0.000E+00$



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

where B_{pk} expressed in gauss, H in oersted, and:
 $a=1.371E-02$, $b=1.720E+00$, $c=9.255E+01$, $d=6.327E-01$, $e=6.449E+02$



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

where T expressed in celsius, and:
 $a=-4.431E-01$, $b=-1.104E-02$, $c=3.828E-02$, $d=2.073E-04$, $e=-8.665E-04$