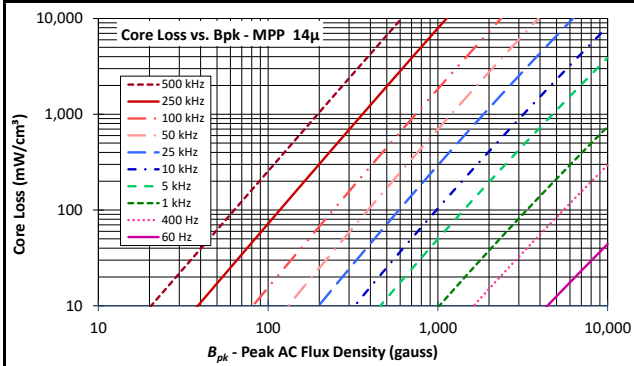




Material: MPP 14μ Toroid

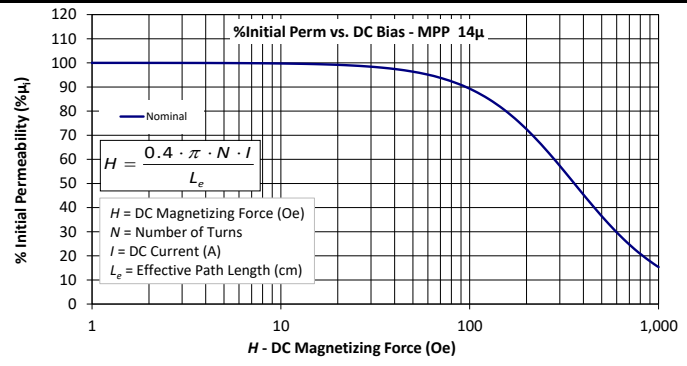
Revision 20200519 - Generated 2020-May-26

μi (reference)	014
Typical AL tolerance	± 8%
Density	6.0 g/cm ³
Bsat	7.5 kG
Core Loss (100kHz, 300g)	157 mW/cm ³ (nom) 180 mW/cm ³ (max)
	72.5% (nom)
%Perm at DC Bias (200 Oe)	66.0% (min)



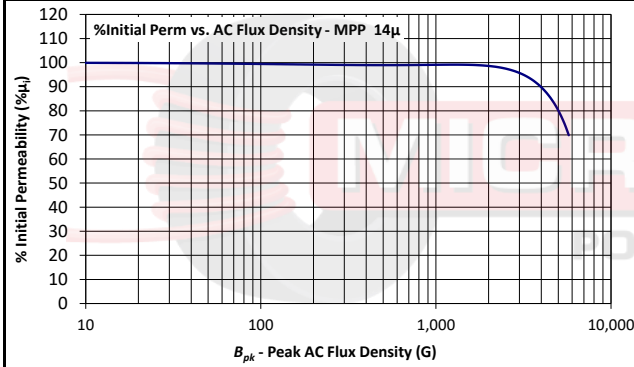
$$\text{Core Loss (mW/cc)} = \frac{a}{B_{pk}^3} + \frac{b}{B_{pk}^{2.3}} + \frac{c}{B_{pk}^{1.65}} + d \cdot B_{pk}^2 \cdot f^2$$

where B_{pk} expressed in gauss, f in hertz, and:
 $a=1.914E+09$, $b=4.349E+08$, $c=4.331E+06$, $d=8.850E-14$



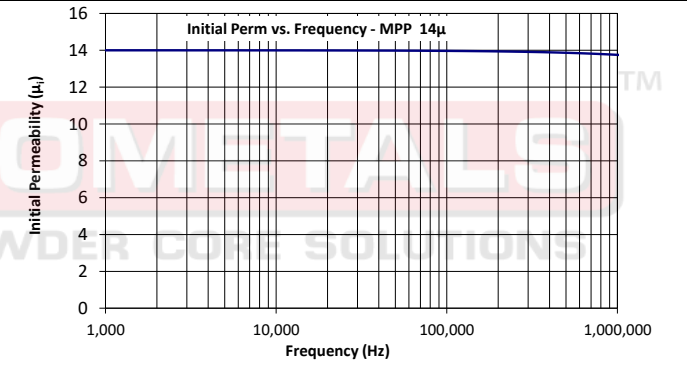
$$\% \mu_i = \frac{1}{a + b \cdot H^c} + d$$

where H expressed in oersted, and:
 $a=1.000E-02$, $b=5.683E-07$, $c=1.662E+00$, $d=0.000E+00$



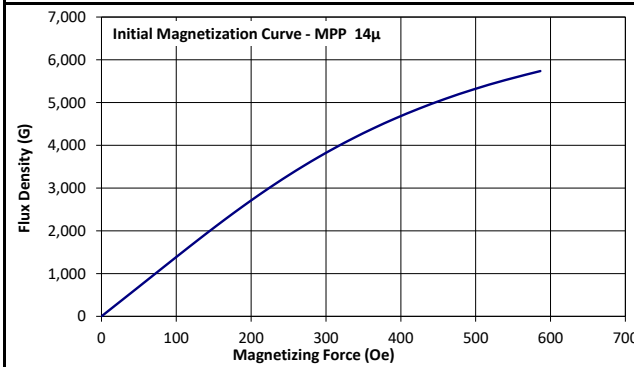
$$\% \mu_i = \frac{1}{\frac{1}{a + bB^c} + \frac{1}{dB^e} + \frac{1}{f}}$$

where B_{pk} expressed in gauss, and:
 $a=3.000E+02$, $b=5.905E-01$, $c=2.738E-01$, $d=3.576E+08$, $e=-1.544E+00$, $f=1.500E+02$



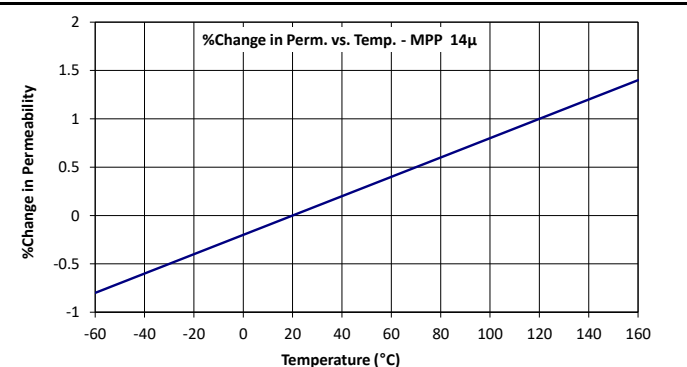
$$\mu_i = \frac{1}{a + bf^c} + d$$

where f expressed in hertz, and:
 $a=7.143E-02$, $b=5.717E-09$, $c=8.920E-01$, $d=0.000E+00$



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

where B_{pk} expressed in gauss, H in oersted, and:
 $a=6.690E-04$, $b=2.256E+00$, $c=2.003E+09$, $d=1.000E-08$, $e=5.338E+02$



$$\% \left(\frac{\Delta \mu_i}{\mu_i} \right) = a(T - 20) * 0.0001$$

where T expressed in celsius, and:
 $a=1.000E+02$