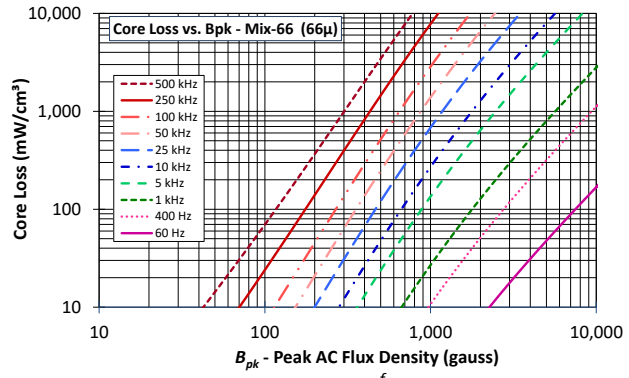
Mix:	-66

Revision 20190524 - Generated 2019-May-24

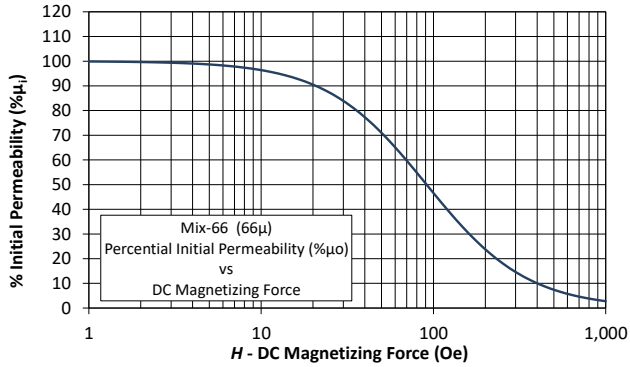
µi(reference)	66
Typical AL tolerance	± 10%
Color Code	Brown/Brown
Density	6.2 g/cm³
Bsat	16.2kG
Core Loss (100kHz, 140g)	17 mW/cm³ (nom) 20 mW/cm³ (max)
%Perm at DC Bias (50 Oe)	71.0% (nom) 65.1% (min)



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

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

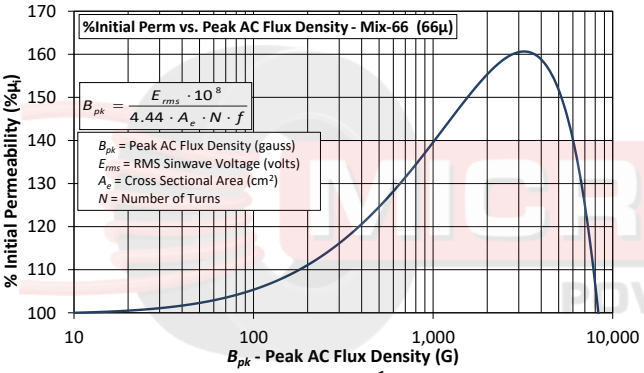
a=1.72E+10, b=4.96E+07, c=1.23E+06, d=1.73E-14



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

where H expressed in oersteds, and:

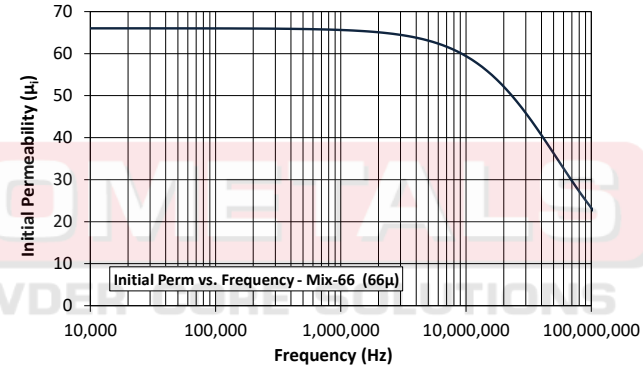
a=1.00E-02, b=1.23E-05, c=1.48, d=0.00



$$\%\mu_i = \frac{1}{\frac{1}{a + bB_{pk}^{\ c}} + \frac{1}{dB_{pk}^{\ e}} + \frac{1}{f}}$$

where B_{pk} expressed in gauss, and:

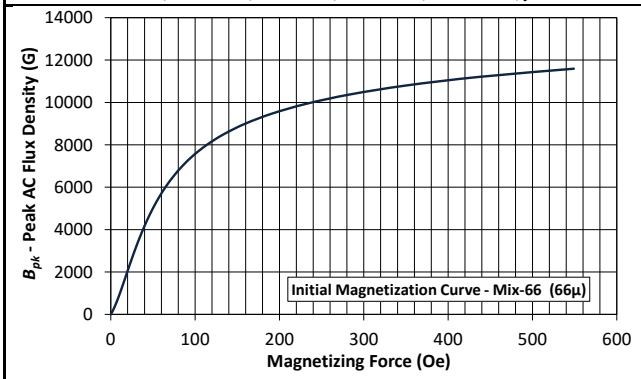
a=1.91E+02, b=2.79E-01, c=9.70E-01, d=1.54E+13, e=-2.76E+00, f=2.10E+02



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

where f expressed in hertz, and:

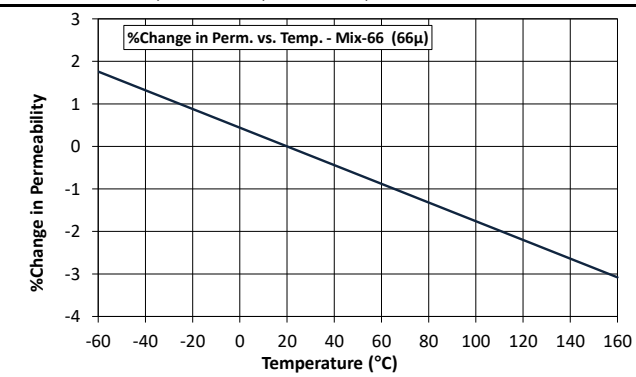
a=1.62E-02, b=2.46E-12, c=1.27E+00, d=4.20E+00



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

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

a=6.85E-02, b=2.00E+00, c=3.72E+01, d=4.51E-01, e=2.45E+02



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

where T expressed in celsius, and:

a=-220

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