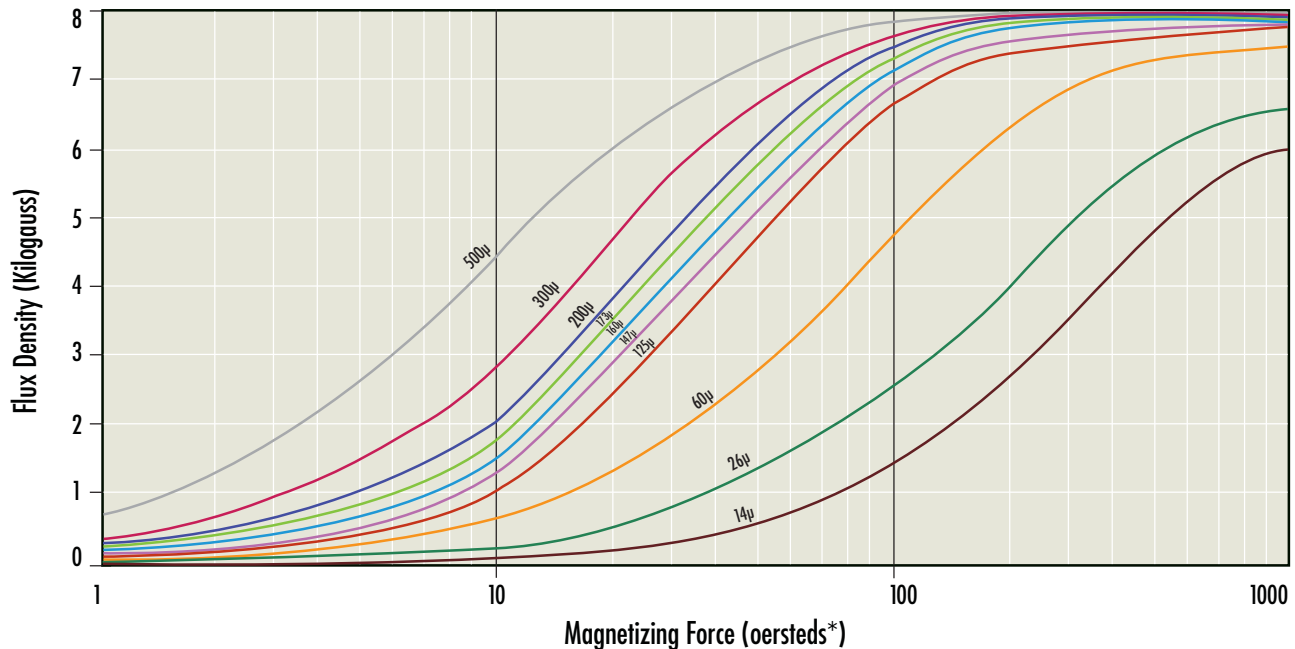


MPP Material Property Curves

Normal Magnetization Curves



Curve Fit Formula (refer to curves for units)

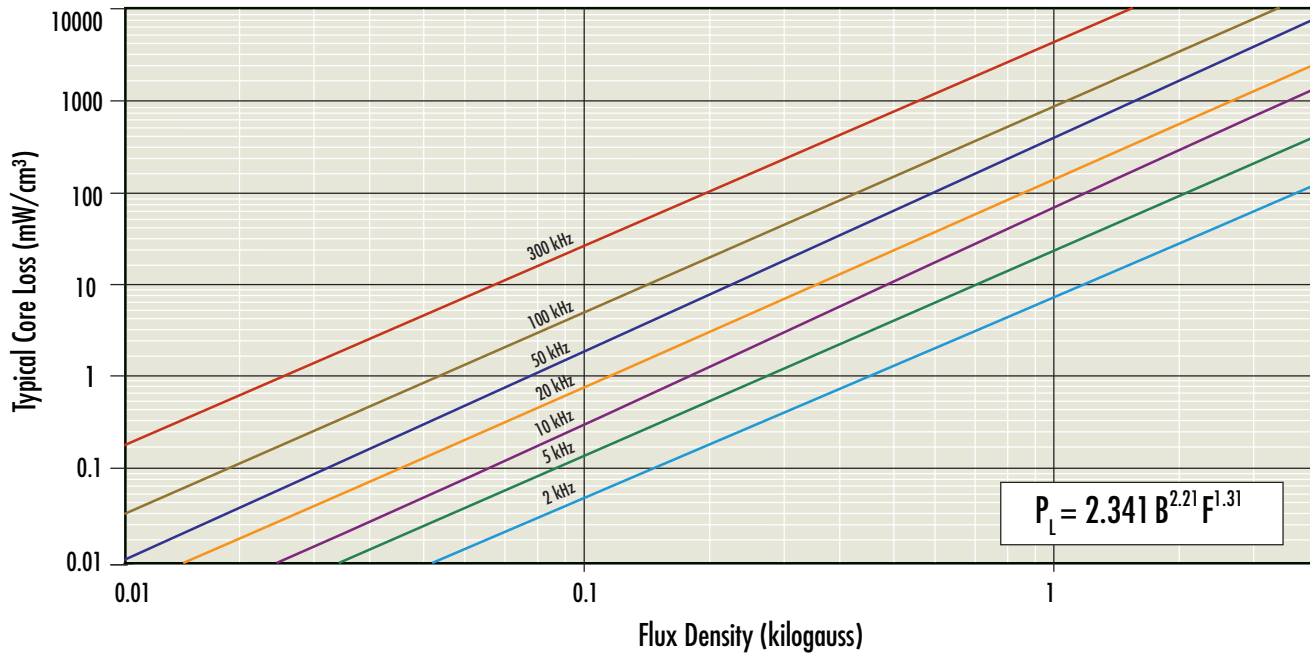
$$B = \left[\frac{a + bH + cH^2}{1 + dH + eH^2} \right]^x$$

where:

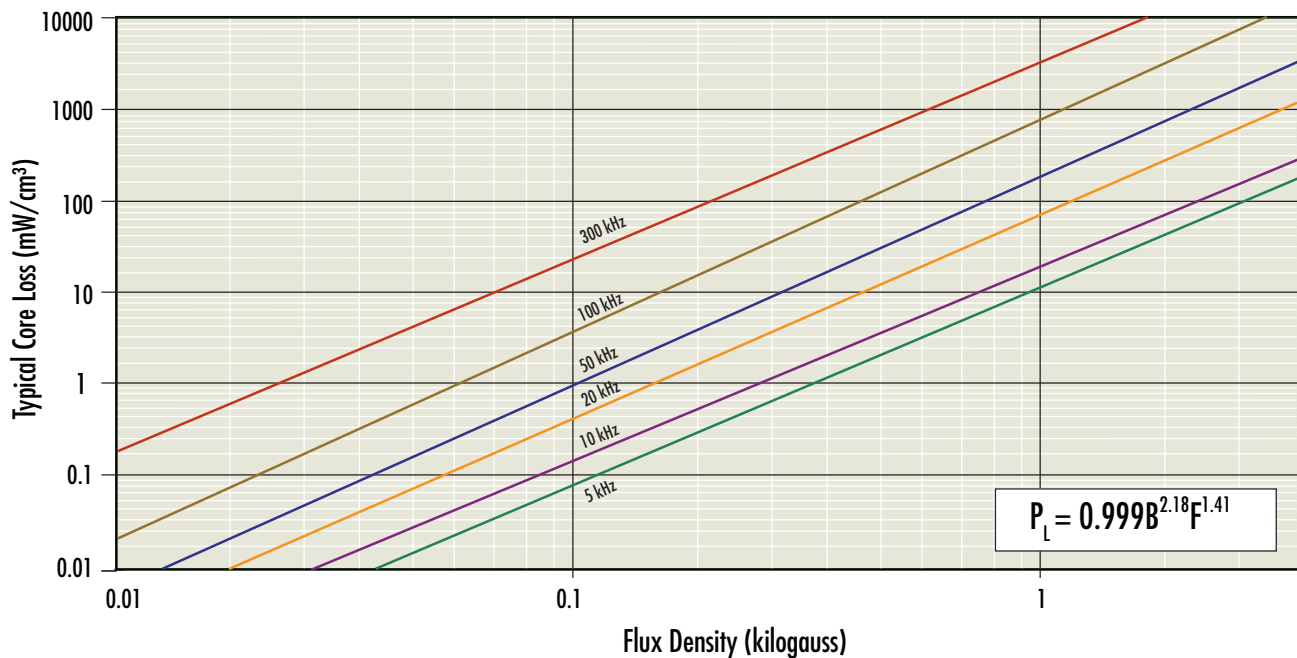
		a	b	c	d	e	x
MPP	14μ	-23.740	1.654E1	9.249E-1	6.189E1	3.158E-1	2
	26μ	0.2112	2.780E-2	-2.274E-5	8.849E-3	-7.810E-6	2
	60μ	0.2576	5.900E-2	1.208E-4	1.970E-2	4.780E-5	2
	125μ	0.0642	-4.990E-2	2.060E-2	7.879E-3	3.398E-4	0.5
	147μ	0.0653	-5.810E-2	2.860E-2	1.260E-2	4.55E-4	0.5
	173μ	0.0545	-6.140E-2	4.120E-2	5.471E-3	6.450E-4	0.5
	160μ	0.0447	-4.440E-2	3.300E-2	7.975E-3	5.170E-4	0.5
	200μ	0.1001	-1.154E-1	5.780E-2	4.820E-3	9.043E-4	0.5
	300μ	0.0940	-1.228E-1	1.260E-1	1.910E-2	1.946E-3	0.5
	550μ	0.0730	-1.201E-1	4.105E-1	5.070E-2	6.290E-3	0.5

Core Loss Density Curves

MPP 14 μ

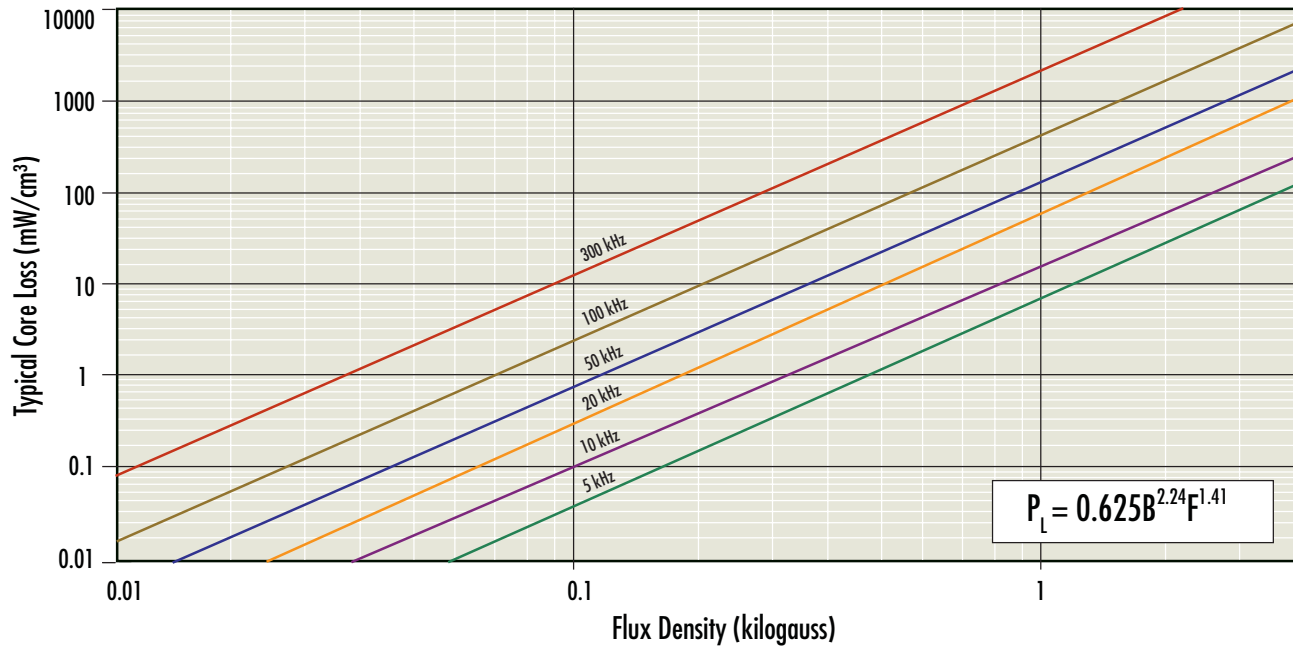


MPP 26 μ

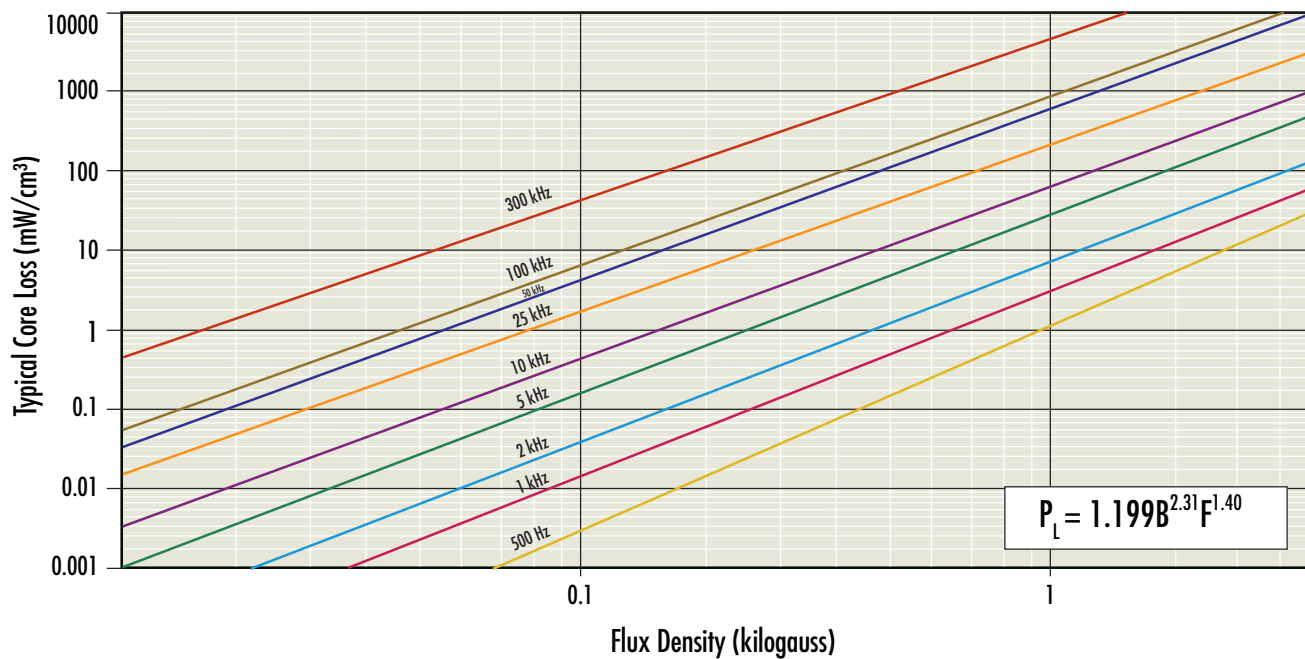


Core Loss Density Curves

MPP 60 μ

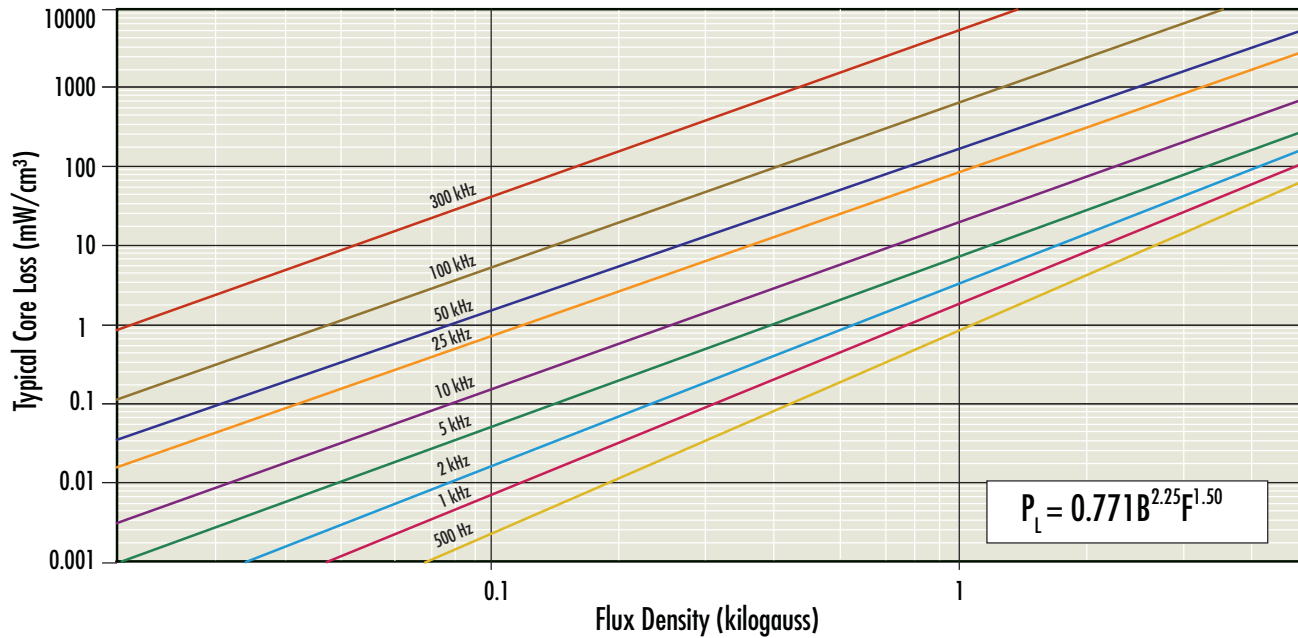


MPP 125 μ

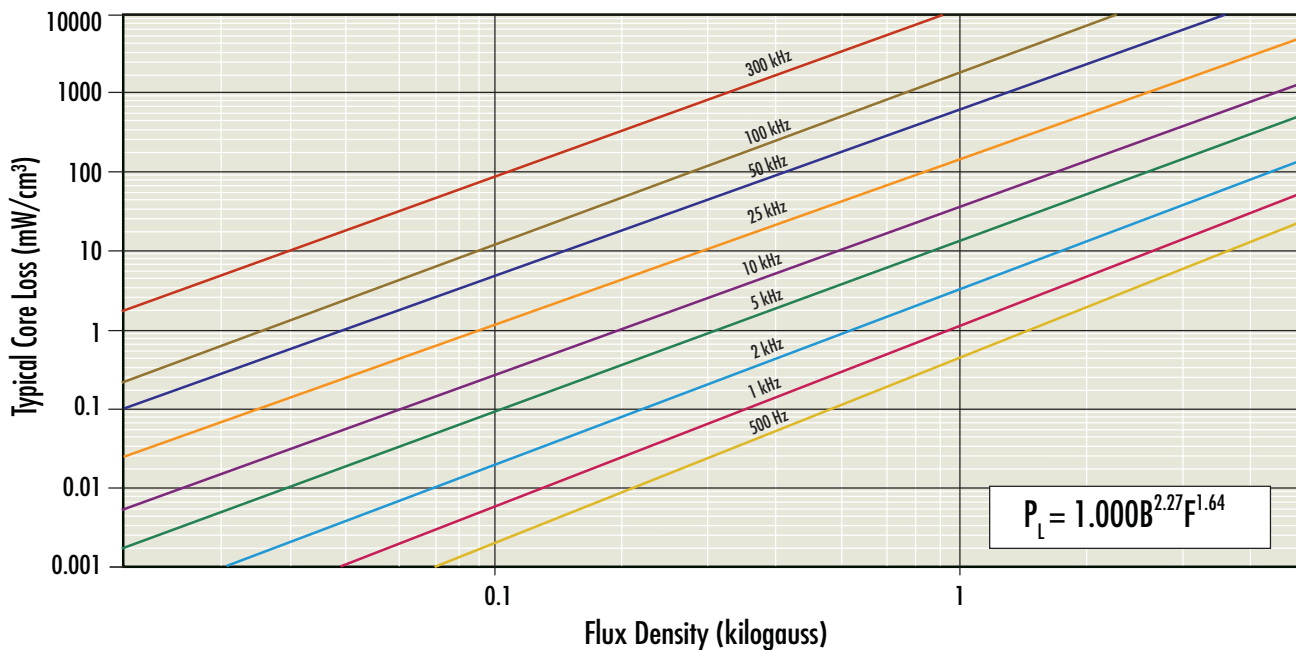


Core Loss Density Curves

MPP 147 μ , 160 μ , 173 μ

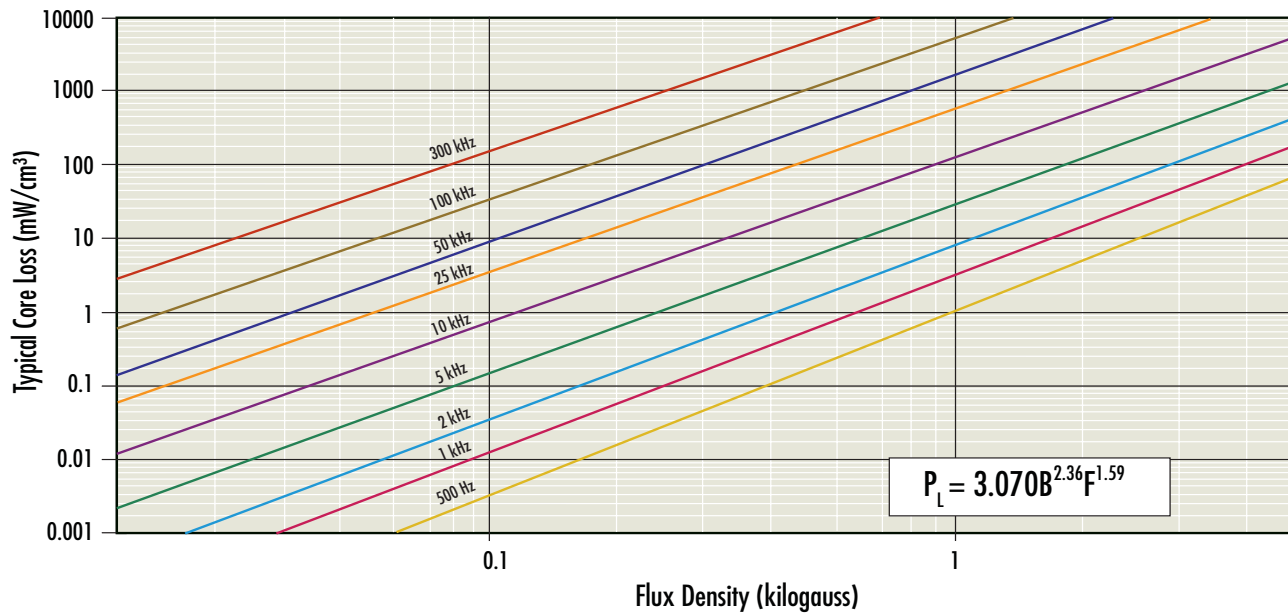


MPP 200 μ , 300 μ



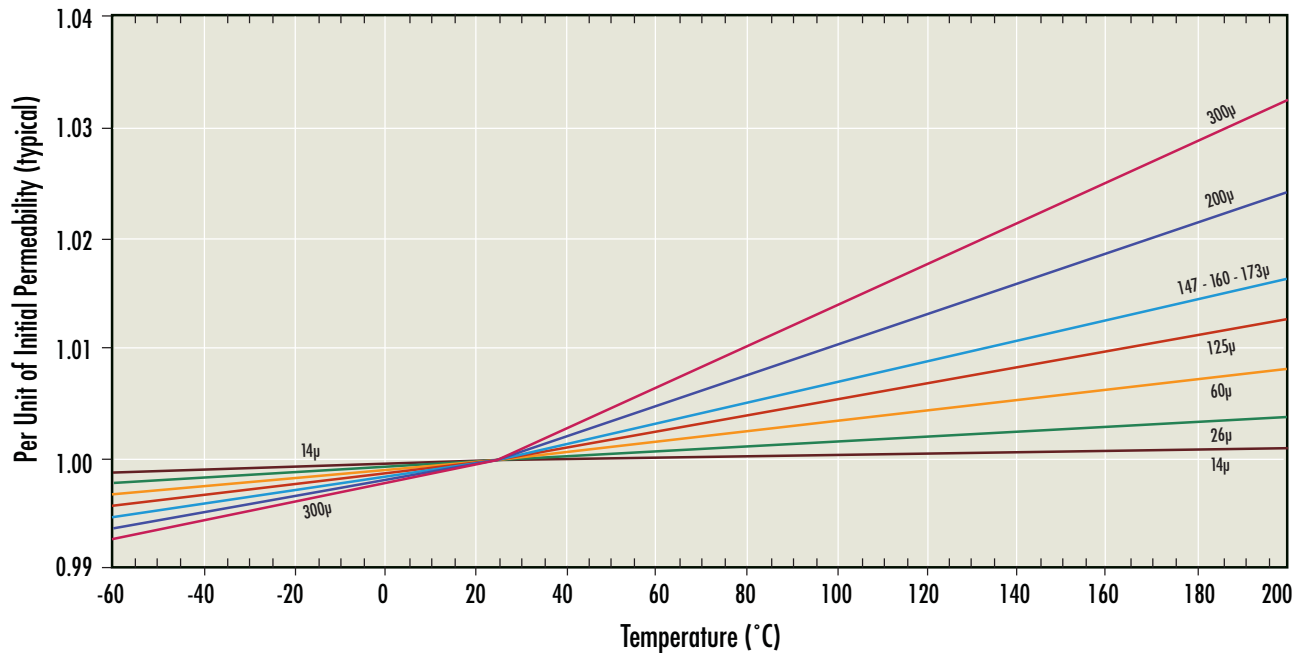
Core Loss Density Curves

MPP 550 μ

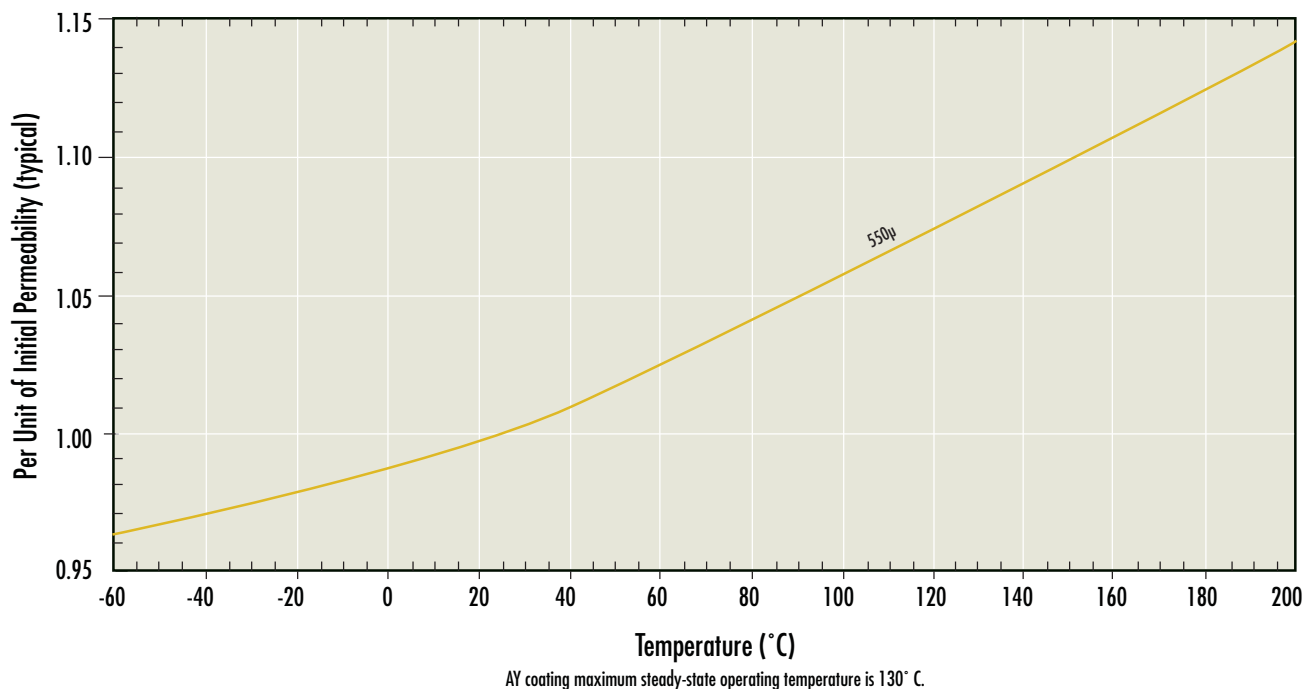


Permeability versus Temperature Curves

MPP 14μ through 300μ (A2, AY, A5, A9)

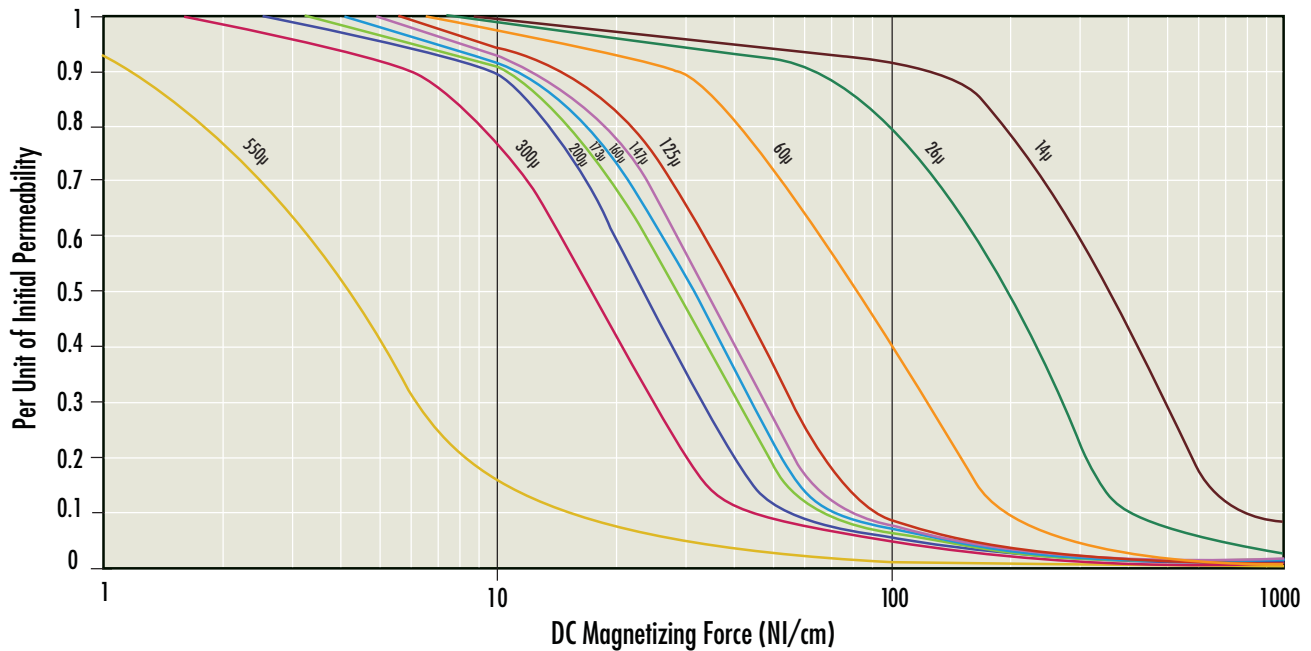


MPP 550μ (A2, AY, A5, A9)



Permeability versus DC Bias Curve

MPP



Curve Fit Formula (refer to curves for units)

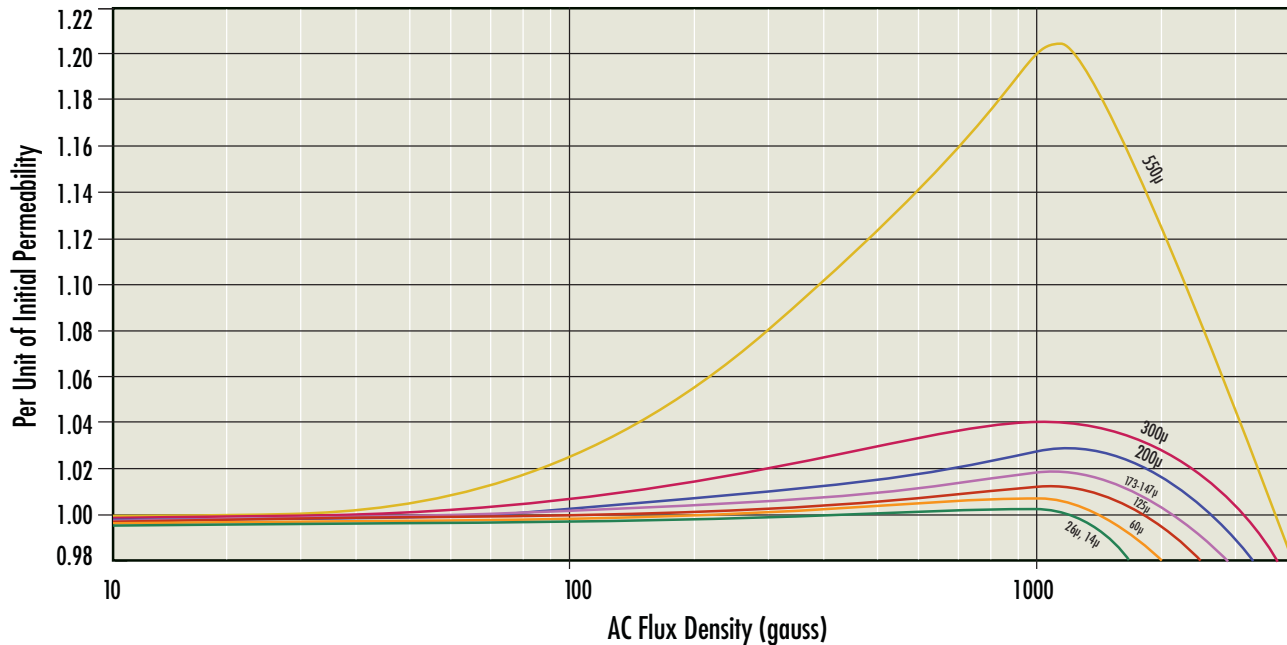
$$\mu \text{ (per unit)} = a + bT + cT^2 + dT^3 + eT^4$$

where:

		a	b	c	d	e
MPP	14μ	1	-6.00E-05	-7.00E-06	1.00E-08	-5.00E-12
	26μ	1	-5.00E-04	-2.00E-05	6.00E-08	-5.00E-11
	60μ	1	-3.00E-04	-2.00E-04	1.00E-06	-3.00E-09
	125μ	1	-1.00E-03	-5.00E-04	8.00E-06	-3.00E-08
	147μ	1	-3.20E-03	-6.00E-04	8.00E-06	-3.00E-08
	160μ	1	-1.90E-03	-8.00E-04	2.00E-05	-8.00E-08
	173μ	1	-7.00E-04	-1.20E-03	3.00E-05	-2.00E-07
	200μ	1	6.70E-03	-2.40E-03	6.00E-05	-5.00E-07
	300μ	1	-3.40E-03	-3.00E-03	1.00E-04	-1.00E-06
	550μ	0.95	-3.77E-02	-3.22E-02	4.40E-03	-2.00E-04

Permeability versus AC Flux Curve

MPP



Curve Fit Formula (refer to curves for units)

MPP

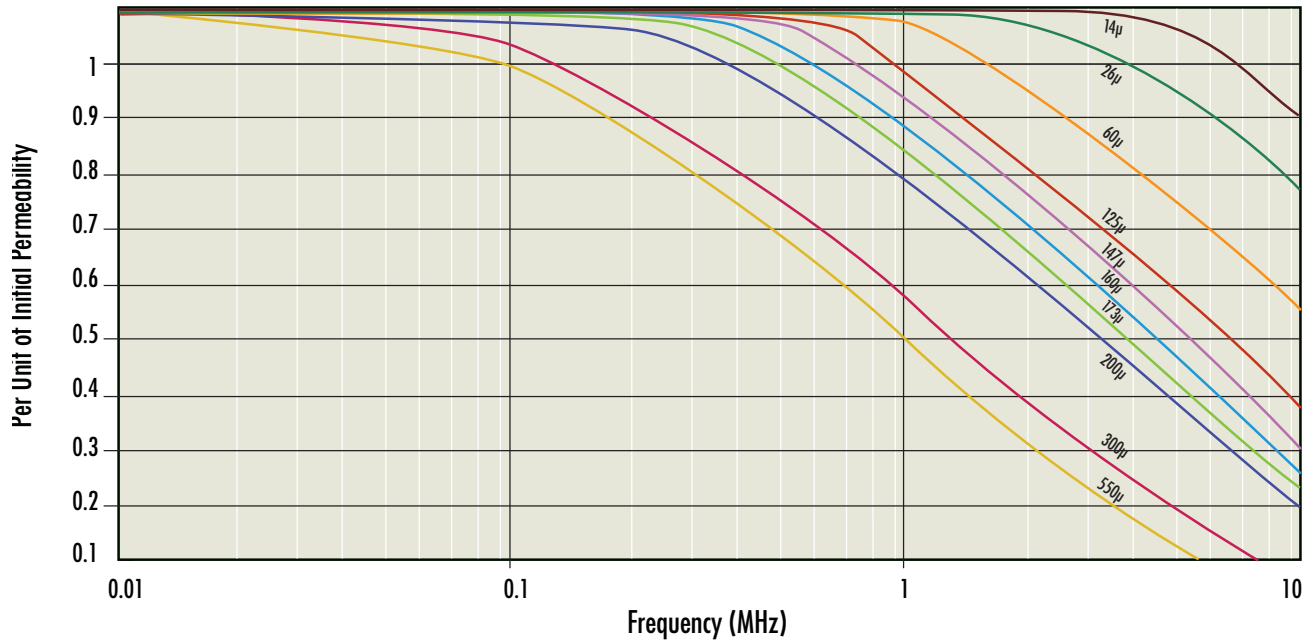
$$\mu_{\text{eff}} / \mu_i = (a + bB + cB^2 + dB^3 + eB^4)$$

where:

		a	b	c	d	e
MPP	14μ	0.9995	1.186E-5	-5.096E-9	-2.727E-12	-
	26μ	0.9995	1.186E-5	-5.096E-9	-2.727E-12	-
	60μ	0.9990	1.708E-5	-6.675E-9	-1.792E-12	-
	125μ	0.9990	2.960E-5	-1.561E-8	8.254E-13	-
	147μ	0.9980	4.393E-5	-2.591E-8	3.446E-12	-
	160μ	0.9980	4.393E-5	-2.591E-8	3.446E-12	-
	173μ	0.9980	4.393E-5	-2.591E-8	3.446E-12	-
	200μ	0.9990	5.145E-5	-2.688E-8	3.308E-12	-
	300μ	0.9980	9.038E-5	-5.112E-8	7.055E-12	-
	550μ	0.9910	4.042E-4	-2.240E-7	3.123E-11	-

Permeability versus Frequency Curves

MPP



Curve Fit Formula (refer to curves for units)

$$\mu \text{ (per unit)} = a + bT + cT^2 + dT^3 + eT^4$$

where:

		a	b	c	d	e
MPP	14μ	1	1.70E-03	-2.40E-03	1.00E-04	
	26μ	1	-4.95E-02	2.85E-02	-6.40E-03	-4.00E-05
	60μ	1	-1.53E-02	-8.10E-03	8.00E-04	-3.00E-05
	125μ	1	-6.98E-02	-7.50E-03	1.60E-03	-8.00E-05
	147μ	1	-1.01E-01	-2.40E-03	1.20E-03	-7.00E-05
	160μ	1	-1.23E-01	4.90E-03	2.00E-04	-2.00E-05
	173μ	1	-1.45E-01	1.14E-02	-8.00E-04	4.00E-05
	200μ	1	-1.87E-01	1.70E-02	-7.00E-04	4.00E-06
	300μ	1	-5.77E-01	1.93E-01	-3.03E-02	1.70E-03
	550μ	1	-9.82E-01	5.53E-01	-1.48E-01	1.40E-02