

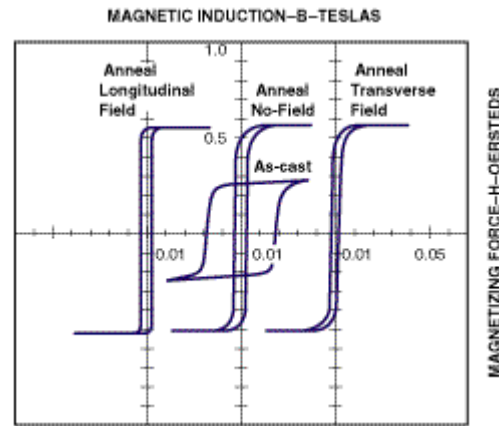
**Applications**

- Switch-mode power supply applications
- High frequency transformers
- High sensitivity matching transformers
- Ultra-sensitive current transformers
- Shielding
- Sensor applications

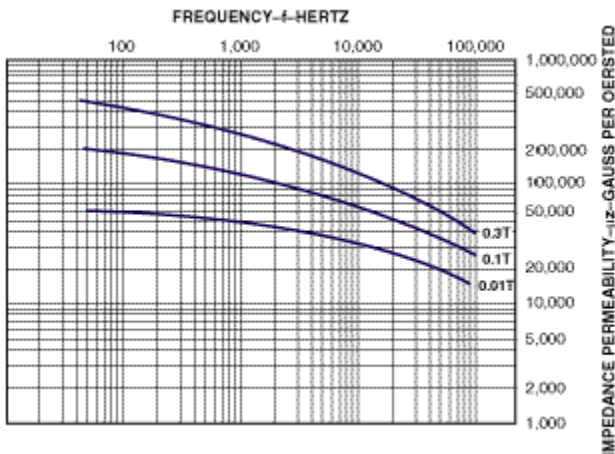
**Benefits**

- Extremely low core loss
- Ultra-high permeability
- High squareness ratio – low coercive force
- Near-zero magnetostriction
- Excellent corrosion resistance

**Typical DC Hysteresis Loop**



**Typical Impedance Permeability Curves,  
No-Field Anneal**



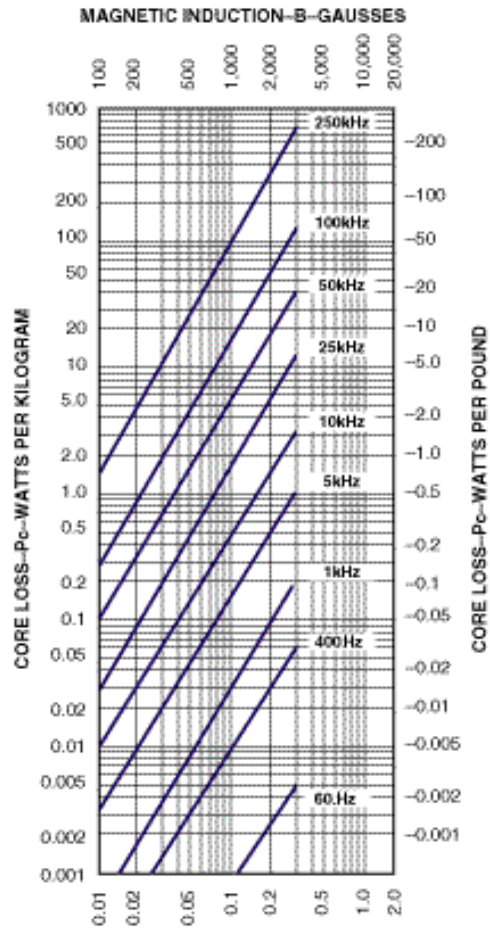
**Physical Properties**

Density (g/cm <sup>3</sup> ) . . . . .	7.59
Vicker's Hardness (50g load) . . . . .	.960
Tensile Strength (GPa) . . . . .	.1-2
Elastic Modulus (GPa) . . . . .	100-110
Lamination Factor (%) . . . . .	>75
Thermal Expansion (ppm/°C) . . . . .	12.7
Crystallization Temperature (°C) . . . . .	.550
Continuous Service Temp. (°C) . . . . .	.90

**Magnetic Properties**

Saturation Induction (T) . . . . .	.057
Maximum D.C. Permeability (μ):	
Annealed . . . . .	1,000,000
As Cast . . . . .	>80,000
Saturation Magnetostriction (ppm) . . . . .	<0.5
Electrical Resistivity (μΩ.cm) . . . . .	.142
Curie Temperature (°C) . . . . .	.225

**Typical Core Loss Curves  
Metglas Alloy 2714A**



*Notes :*



**Contact Information:**

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