

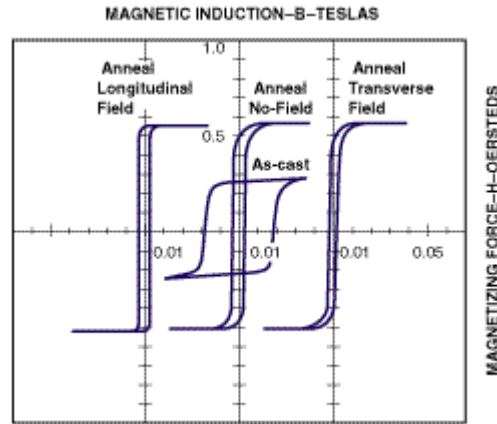
Applications

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

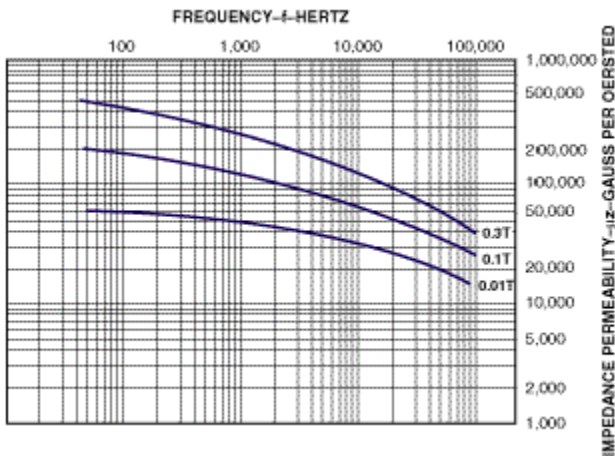
Benefits

- 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**



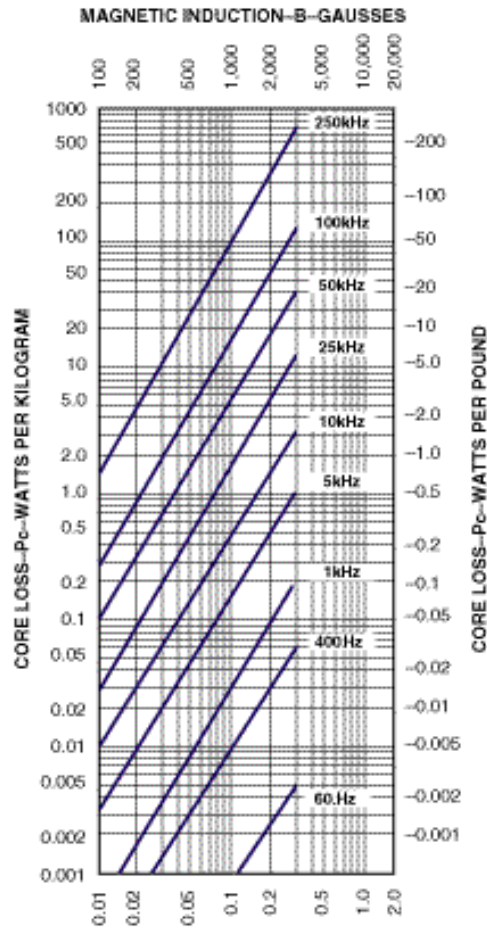
Physical Properties

Density (g/cm ³)	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:

AMERICAS

Metglas[®], Inc.

440 Allied Drive
Conway, SC 29526

Tel: (800) 581-7654

Tel: (843) 349-7363

Fax: (843) 349-6815

ASIA

Hitachi Metals Hong Kong

Units 2212-14, 22/F.
Miramar Tower, 132 Nathan Road,
Tsimshatsui, Kowloon
Hong Kong

Tel: 852-27244183

Fax: 852-27227660

EUROPE

Hitachi Metals Europe

Immermannstrasse 14-16
D- 40210 Düsseldorf
Germany

Tel :49(0)211-16009-23

Fax:49(0)211-16009-30