



CERAMIC 1

*Strontium hexaferrite hard ferrite with a high resistance to demagnetization.
Suited for applications such as sensors and Hall effect devices.*

Typical Characteristics

Residual Induction (B_r)	2300 G
Coercive Force(H_c)	1860 Oe
Intrinsic Coercive Force (H_{ci})	3250 Oe
Max Energy Product	1.05 MGOe
Curie Temperature	450 °C
dc Volume Resistivity	10^6 ohm-cm
Bulk Density	4.9 g/cm³
Porosity	5%
Young's Modulus	180 GPa
Compressive Strength	895 MPa
Tensile Strength	34 MPa
Flexural Strength	62 MPa
Poisson's Ratio	0.28
Hardness (Mohs)	7
Thermal Expansion (perpendicular to orientation)	10 ppm /°C
Thermal Expansion (parallel to orientaion)	14 ppm /°C
Thermal Conductivity	0.029 W/cm·°C
Reversible temperature coefficient of residual induction	-0.2% /°C
Reversible temperature coefficient of intrinsic coercive force	0.2 - 0.5% /°C
Max Service Temperature (before structural change)	800 °C