A MZn ferrite designed specifically for EMI suppression applications from as low as 1 MHz up to 500 MHz. This material does not have the dimensional resonance limitations associated with conventional MZn ferrite materials.

Available in 31 Material®:
Round Cable EMI Suppression Cores
Round Cable Snap-Its
Flat Cable EMI Suppression Cores
Flat Cable Snap-Its

## 31 Material® Characteristics

| Property | Unit | Symbol | Value |
|---|---|---|---|
| Initial Permeability@B < 10 gauss | | $\mu_i$ | 1500 |
| Flux Density @ Field Strength | Gauss<br>Oersted | B<br>H | 3600<br>5 |
| Residual Flux Density | Gauss | $B_r$ | 2600 |
| Coercive Force | Oersted | $H_c$ | 0.34 |
| Loss Factor @ Frequency | $10^{-6}$<br>MHz | Tan δ/ $\mu_i$ | 20<br>0.1 |
| Temperature Coefficient of Initial Permeability (20 -70°C) | %/°C | | 1.3 |
| Curie Temperature | °C | $T_c$ | >130 |
| Resistivity | Ω cm | ρ | 3000 |

**** Characteristic curves are measured on standard Toroids (18/10/6 mm) at 25°C and 10 kHz unless otherwise indicated. Impedance characteristics are measured on standard shield beads (3.5/1.3/6.0 mm) unless otherwise indicated.