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

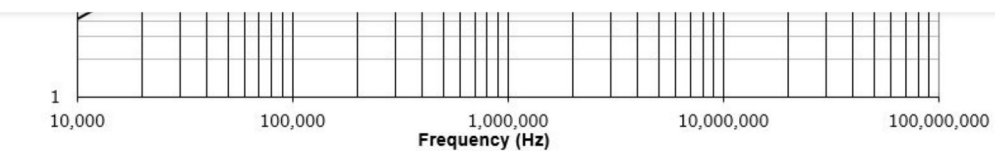
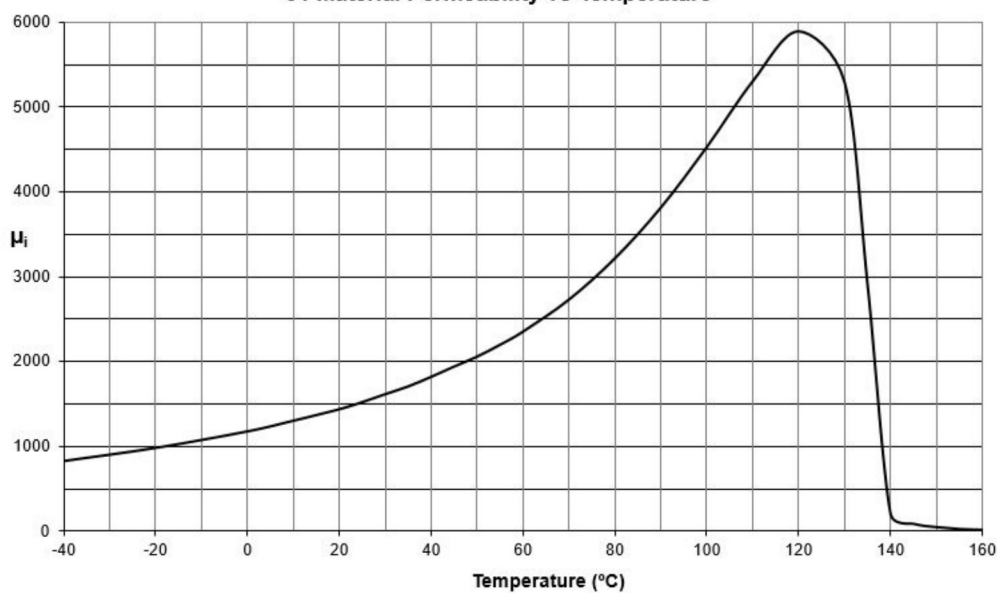
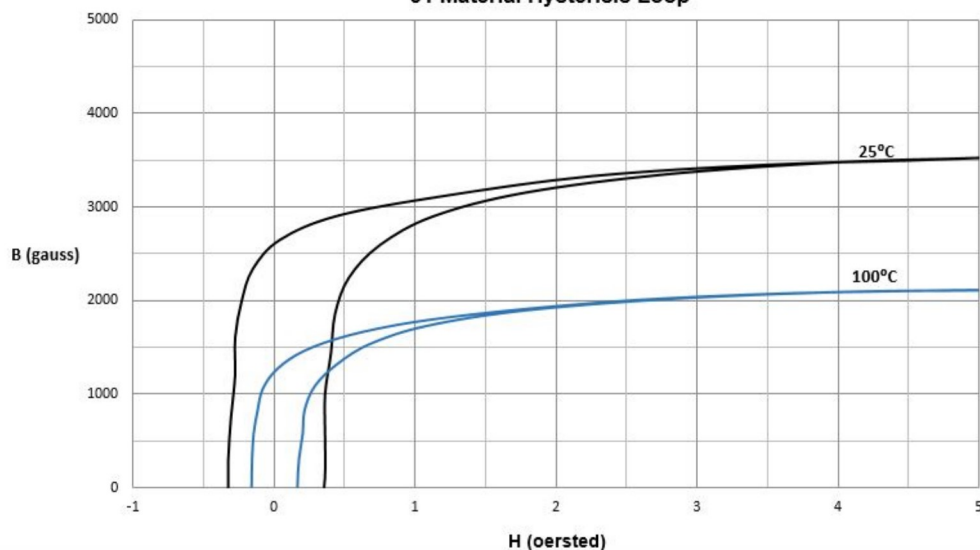
**** Characteristic curves are measured on standard Toroids (18/10/6 mm) at 25°C and 10 kHz unless otherwise indicated. Impedance characteristics are measured on standard shield beads (3.5/1.3/6.0 mm) unless otherwise indicated.

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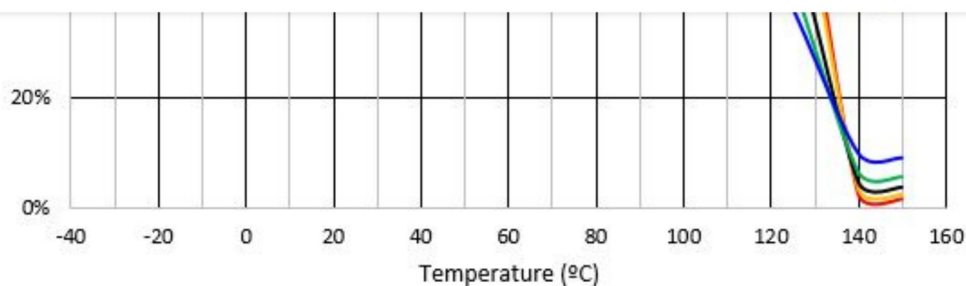


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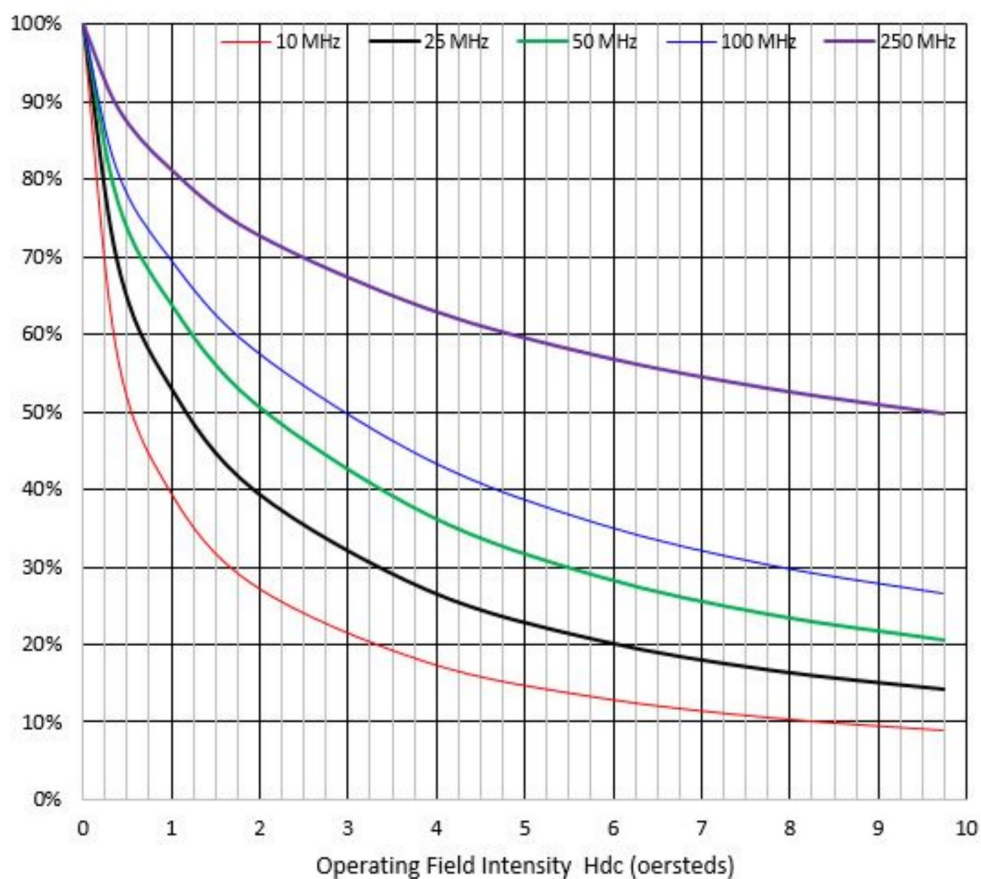
Measured on an 18/10/6mm toroid @10kHz

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31 Material Impedance derating with applied DC bias



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