

## Product Announcement

# Nickel-Zinc Ferrites for EMI/RFI Suppression

Magnetics, the leader in high frequency soft magnetic cores for more than 50 years, now introduces nickel-zinc ferrites. Magnetics already offers the widest line of materials for power and filter cores, including power ferrites, high permeability ferrites, Kool M $\mu$ , MPP, high flux, tape wound cores, and specialty materials. With the addition of nickel-zinc cores, Magnetics provides even more.

Magnetics provides the same performance and quality advantages with its Ni-Zn ferrites that designers rely on when they specify Magnetics Mn-Zn ferrites, powder cores, and tape wound cores.

Samples and design kits are available beginning October 2001, with production deliveries shortly after. A wide variety of sizes, geometries and materials are offered.

<b>Toroids</b>	<b>3 mm to 61 mm</b>
<b>Beads</b>	<b>2.5 mm to 28 mm</b>
<b>Baluns</b>	<b>up to 7.5 mm × 28 mm</b>
<b>Rods</b>	<b>wide variety</b>

<b>Leaded Beads</b>	<b>up to 3.5 mm × 9 mm</b>
<b>Flat Cable Cores</b>	<b>wide variety</b>
<b>Bobbins (Drum Cores)</b>	<b>8 mm to 60 mm</b>
<b>Custom Designs and Specialty Items</b>	<b>Contact Magnetics</b>

<b>Material</b>	<b>Permeability (± 20%)</b>	<b>Loss Factor x 10<sup>-5</sup> (max)</b>	<b>Resistivity</b>	<b>Typical EMI Frequency Range</b>
<b>8N</b>	<b>850</b>	<b>2.5 @ 1 MHz</b>	<b>10<sup>5</sup> Ω -cm</b>	<b>30 MHz – 200 MHz</b>
<b>6N</b>	<b>620</b>	<b>3.9 @ 700 KHz</b>	<b>10<sup>3</sup> Ω -cm</b>	<b>30 MHz – 200 MHz</b>
<b>4N</b>	<b>1500</b>	<b>2.8 @ 3 MHz</b>	<b>10<sup>4</sup> Ω -cm</b>	<b>15 MHz – 100 MHz</b>

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