

# Material Characteristics

## Ni-Zn Material

| Material                          | SN-06HT                |                                 |      |                   |
|-----------------------------------|------------------------|---------------------------------|------|-------------------|
| Initial permeability              | $\mu_{iac}$            |                                 |      | 600 ±25%          |
| Relative loss factor              | $\tan\delta/\mu_{iac}$ | $\times 10^{-6}$                | 25°C | 30 (0.1MHz)       |
| Saturation flux density (1194A/m) | Bs                     | mT                              | 25°C | 360               |
| Remanence                         | Br                     | mT                              | 25°C | 220               |
| Coercivity                        | Hc                     | A/m                             | 25°C | 36                |
| Relative temp. factor (20°C~60°C) | $\alpha\mu r$          | $\times 10^{-6}/^\circ\text{C}$ |      | 5~10              |
| Curie Temperature                 | Tc                     | °C                              |      | >220              |
| Density                           | d                      | kg/m <sup>3</sup>               |      | $5.0 \times 10^3$ |
| Resistivity                       | $\rho$                 | MΩ·m                            | 25°C | >10               |

Note : 1) Typical values  
 2) The values were obtained with toroidal cores(30X8-20H) at room temperature unless indicated otherwise

