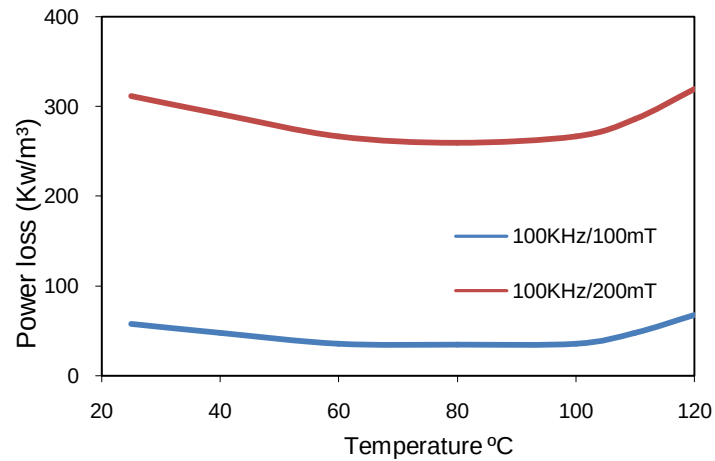


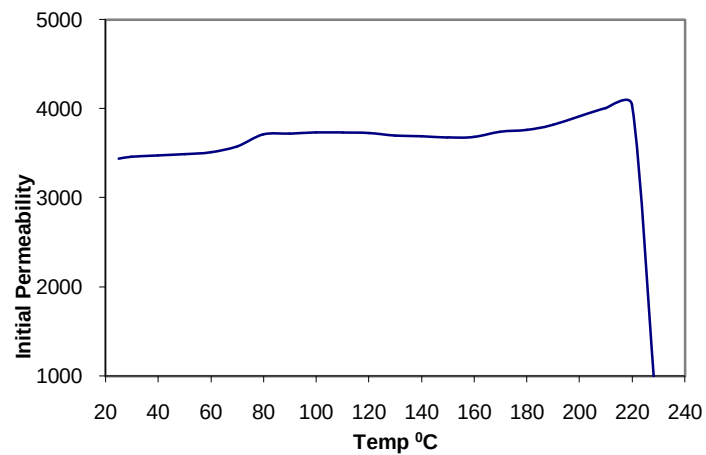
## Material Properties

| Material                                                                                          | CF 295                          |                   |                               |
|---------------------------------------------------------------------------------------------------|---------------------------------|-------------------|-------------------------------|
| Base Material                                                                                     | MnZn                            |                   |                               |
| Property                                                                                          | Symbol                          | Unit              |                               |
| Initial Permeability<br>(T = 25 °C)                                                               | $\mu_i$                         |                   | 3000±20%                      |
| Flux density<br>H = 1000 A/m, f = 10 kHz)                                                         | $B_s$ (25 °C)<br>$B_s$ (100 °C) | mT<br>mT          | 525<br>410                    |
| Residual Flux Density                                                                             | Br (25 °C)                      | mT                | 80                            |
| Power loss density<br>100 kHz, 100 mT, 25 °C<br>100 kHz, 200 mT, 25 °C<br>100 kHz, 200 mT, 100 °C | $P_v$                           | kW/m <sup>3</sup> | ----<br>-----<br>≤400<br>≤350 |
| Curie Temperature                                                                                 | $T_c$                           | °C                | >210 °C                       |
| Resistivity                                                                                       | $\rho$                          | Ωm                |                               |
| Density                                                                                           | d                               | Kg/m <sup>3</sup> | 4800                          |
| Core Shapes                                                                                       |                                 |                   | Toroids, E, EP,               |

Core loss versus Temperature (Measured on T2512 Toroids)



Initial Permeability versus Temperature (Measured on T2512 Toroids)



## Saturation Flux Density versus Temperature (Measured on T2512 Toroids)

