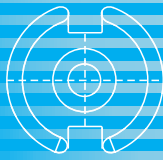


## MnZn High Permeability Ferrite

### Material Characteristics

|                                                |      |                   |                        |
|------------------------------------------------|------|-------------------|------------------------|
| Material name                                  |      |                   | Manganese Zinc Ferrite |
| Material grade                                 |      |                   | SM050                  |
| Initial Permeability                           | 25°C | μi                | 5000±25%               |
| Saturation Flux Density (Bs)<br>(H = 1194 A/m) | 25°C | mT                | 430                    |
| Residual Flux Density (Br)                     | 25°C | mT                | 140                    |
| Coercive Force (Hc)                            | 25°C | A/m               | 8.0                    |
| Relative Loss Factor (100KHz)                  |      | x 10e-6           | <15.0                  |
| Curie Temperature (Tc)                         |      | °C                | >140                   |
| Electrical Resistivity                         |      | Ω.m               | 0.5                    |
| Density                                        |      | g/cm <sup>3</sup> | 4.85                   |

Dare is derived from measurements on a ring core of T25x15x8.



## SM050 Performance graphs

