

## Material characteristics

| Characteristics                  | Symbol            | Unit               | seettings        | Temp.      | MSS100  |
|----------------------------------|-------------------|--------------------|------------------|------------|---------|
| Initial permeability             | $\mu_i$           | $\mu_i$            | 1MHz,1V          | 25°C       | 100± 10 |
| Saturation magnetic flux density | Bs                | T                  | H=20000 (A/m)    | 25°C       | >1.0    |
| Core loss volume density Pcv     | Pcv               | mW/cm <sup>3</sup> | f=500KHz<br>30mT | 25°C       | 600     |
| Relative temperature coefficient | $\alpha_{\mu ir}$ | 10 <sup>-5</sup>   |                  | -20 ~ 60°C | 8 ~ 18  |
| Curie temperature                | Tc                | °C                 |                  |            | 700     |
| Electrical resistivity           | $\rho$            | MΩ                 | 25V              | 25°C       | >1      |
| Density                          | ds                | g/cm <sup>3</sup>  |                  | 25°C       | 7.0     |

