

| ITEM                             | Symbol                | Unit             | Measurtionsing Conditions |          | Material        |
|----------------------------------|-----------------------|------------------|---------------------------|----------|-----------------|
|                                  |                       |                  | settings                  | Temp.    |                 |
| Initial permeability             | $\mu_i$               |                  |                           | 20°C     | <b>4000±25%</b> |
| Saturation magnetic flux density | Bs                    | mT               | H=1200A/m                 | 20°C     | <b>500</b>      |
|                                  |                       |                  |                           | 100°C    | <b>380</b>      |
| Remanent flux density            | Br                    | mT               | H=1200A/m                 | 20°C     | <b>60</b>       |
|                                  |                       |                  |                           | 100°C    |                 |
| Coercive force                   | Hc                    | A/m              | H=1200A/m                 | 20°C     | <b>12</b>       |
|                                  |                       |                  |                           | 100°C    |                 |
| Relative loss factor             | $\tan \delta / \mu_i$ | $\times 10^{-6}$ |                           |          | <b>&lt;4</b>    |
| Relative temperature factor      | $\alpha_{\mu}$        | $\times 10^{-6}$ |                           | -20~20°C | <b>1.0~3.0</b>  |
|                                  |                       |                  |                           | 20~60°C  | <b>-1.0~1.0</b> |
|                                  |                       |                  |                           | 60~100°C | <b>-1.0~1.0</b> |
| Disaccommodation factor          | DF                    |                  | 1~10min                   |          | <b>&lt;3.0</b>  |
| Curie temperature                | Tc                    | °C               |                           |          | <b>&gt; 210</b> |
| Electrical resistivity           | $\rho$                | $\Omega \cdot m$ |                           |          | <b>3</b>        |
| Density                          | ds                    | $g/cm^3$         |                           |          | <b>4.8</b>      |

