

| Heat Shock Resistance    | Symbol                  | Unit              | Measurtionsing Conditions |         | Material  |
|--------------------------|-------------------------|-------------------|---------------------------|---------|-----------|
|                          |                         |                   | settings                  | Temp.   | TB48H     |
| Initial permeability     | $\mu_i$                 |                   | 796kHz;150mV              | 23°C    | 260±25%   |
| Saturation flux density  | Bs                      | mT                | H=4000A/m                 | 23°C    | 460       |
|                          |                         |                   |                           | 100°C   | 380       |
| Relative temp factor     | $\alpha_{\mu i \gamma}$ | $\times 10^{-6}$  | 100kHz                    | 20~60°C | 15~25     |
| Coercive force           | Hc                      | A/m               | H=4000A/m                 | 23°C    | 60        |
| Core loss volume density | Pcv                     | kW/m <sup>3</sup> | 50kHz;150mT               | 20°C    | 1150      |
|                          |                         |                   |                           | 140°C   | 950       |
| Relative loss factor     | $\tan \delta / \mu_i$   | $\times 10^{-6}$  | 100kHz                    |         | 50        |
| Curie temperature        | Tc                      | °C                | 100kHz                    |         | > 260     |
| Electrical resistivity   | $\rho$                  | $\Omega / m$      |                           |         | $10^{-6}$ |
| Density                  | ds                      | g/cm <sup>3</sup> |                           |         | 5.2       |

