

|                         | Symbol  | Unit              | Measuring Conditions |             |       | High Bs Material |
|-------------------------|---------|-------------------|----------------------|-------------|-------|------------------|
|                         |         |                   | Freq.                | Flux den.   | Temp. | P49              |
| Initial Permeability    | $\mu_i$ |                   | $\leq 10\text{kHz}$  | 0.25mT      | 25°C  | 1700 $\pm$ 25%   |
| Power Loss              | Pv      | KW/m <sup>3</sup> | 100kHz               | 200mT       | 25°C  | 800              |
|                         |         |                   |                      |             | 100°C | 400              |
|                         |         |                   | 500kHz               | 50mT        | 25°C  | 450              |
|                         |         |                   |                      |             | 100°C | 220              |
| Saturation Flux Density | Bs      | mT                | 10kHz                | H = 1200A/m | 25°C  | 540              |
|                         |         |                   |                      |             | 100°C | 460              |
| Remanence               | Br      | mT                | 10kHz                | H = 1200A/m | 25°C  | 280              |
|                         |         |                   |                      |             | 100°C | 50               |
| Coercivity              | Hc      | A/m               | 10kHz                | H = 1200A/m | 25°C  | 15               |
|                         |         |                   |                      |             | 100°C | 7                |
| Curie Temperature       | Tc      | °C                |                      |             |       | $\geq 280$       |
| Resistivity             | $\rho$  | $\Omega\text{m}$  |                      |             |       | 3.00             |
| Density                 | d       | g/cm <sup>3</sup> |                      |             |       | 4.90             |

Note: Material characteristics are typical for a toroid core.

Product specification will differ from these data due to the influence of geometry and size.

