

## Material specification

3D3

### 3D3 SPECIFICATIONS

SYMBOL	CONDITIONS	VALUE	UNIT
$\mu_i$	25 °C; ≤ 10 kHz; 0.25 mT	$750 \pm 20\%$	
B	25 °C; 10 kHz; 1200 A/m 100 °C; 10 kHz; 1200 A/m	$\approx 380$ $\approx 310$	mT
$\tan\delta/\mu_i$	25 °C; 300 kHz; 0.25 mT 25 °C; 1 MHz; 0.25 mT	$\leq 10 \times 10^{-6}$ $\leq 30 \times 10^{-6}$	
$\eta_B$	25 °C; 100 kHz; 1.5 to 3 mT	$\leq 1.8 \times 10^{-3}$	T <sup>-1</sup>
D <sub>F</sub>	25 °C; 10 kHz; 0.25 mT	$\leq 12 \times 10^{-6}$	
$\alpha_F$	25 to 70 °C; ≤ 10 kHz; 0.25 mT	$(1.5 \pm 1) \times 10^{-6}$	K <sup>-1</sup>
$\rho$	DC; 25 °C	$\approx 2$	Ωm
T <sub>C</sub>		$\geq 200$	°C
density		$\approx 4700$	kg/m <sup>3</sup>

