3S4 SPECIFICATIONS

Wideband EMI-suppression material specified on impedance and optimized for frequencies from 10 to 300 MHz.

SYMBOL	CONDITIONS	VALUE	UNIT
μ_i	25 °C; ≤10 kHz; 0.25 mT	≈ 1700	
B	25 °C; 10 kHz; 1200 A/m	≈ 320	mT
	100 °C; 10 kHz; 1200 A/m	≈ 170	
$\lvert Z \rvert$ (1)	25 °C; 3 MHz	≥ 25	Ω
	25 °C; 30 MHz	≥ 60	
	25 °C; 100 MHz	≥ 80	
	25 °C; 300 MHz	≥ 90	
ρ	DC; 25 °C	≈ 10^3	Ωm
T_C		≥ 110	°C
density		≈ 4800	kg/m^3

Note

1. Measured on a bead ∅5× ∅2 × 10 mm.

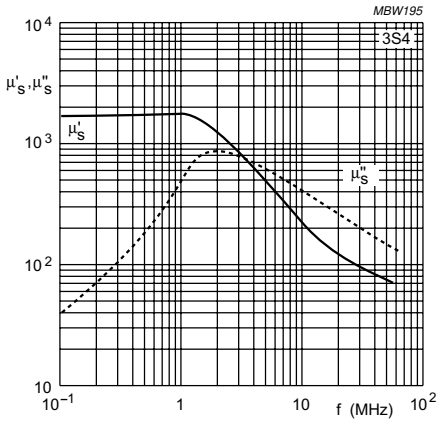

Fig.1 Complex permeability as a function of frequency.

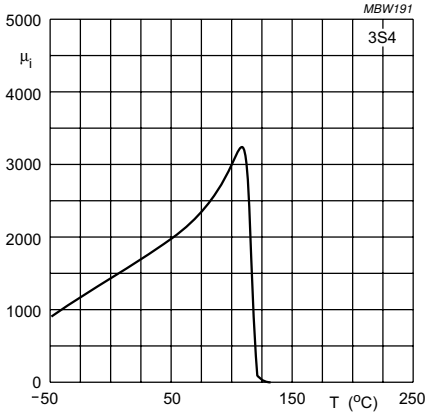

Fig.2 Initial permeability as a function of temperature.

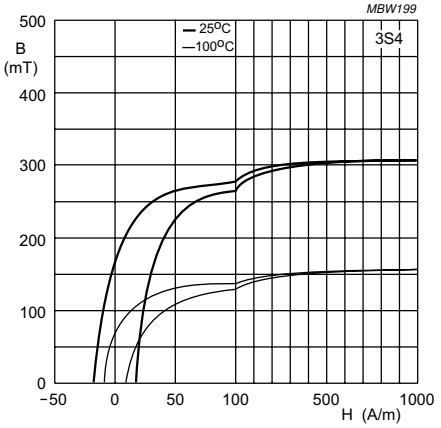

Fig.3 Typical B-H loops.

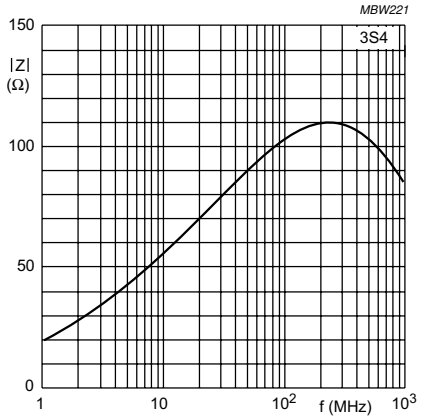

Fig.4 Impedance as a function of frequency measured on a bead ∅5 × ∅2 × 10 mm.