4S2F SPECIFICATIONS

Wideband EMI-suppression material specified on impedance and optimized for frequencies from 30 to 1000 MHz.

SYMBOL	CONDITIONS	VALUE	UNIT
μ_i	25 °C; ≤10 kHz; 0.25 mT	≈ 700	
B	25 °C; 10 kHz; 1200 A/m	≈ 290	mT
	100 °C; 10 kHz; 1200 A/m	≈ 170	
$\lvert Z \rvert$ (1)	25 °C; 30 MHz	≥ 50	Ω
	25 °C; 300 MHz	≥ 85	
ρ	DC; 25 °C	≈ 10^4	Ωm
T_C		≥ 120	°C
density		≈ 4800	kg/m^3

Note

1. Measured on a bead ∅5 × ∅2 × 10 mm.

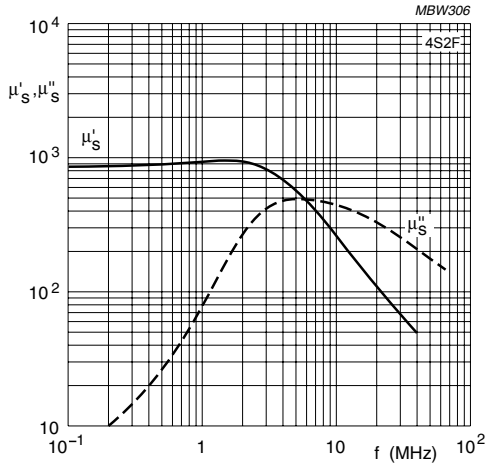

Fig.1 Complex permeability as a function of frequency.

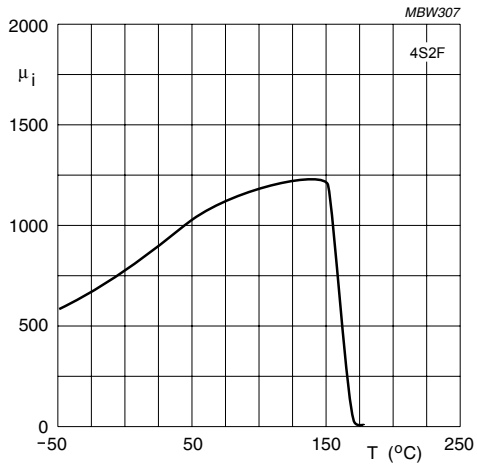

Fig.2 Initial permeability as a function of temperature.

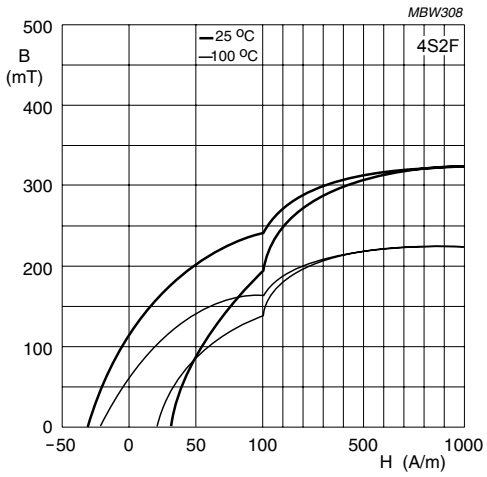

Fig.3 Typical B-H loops.

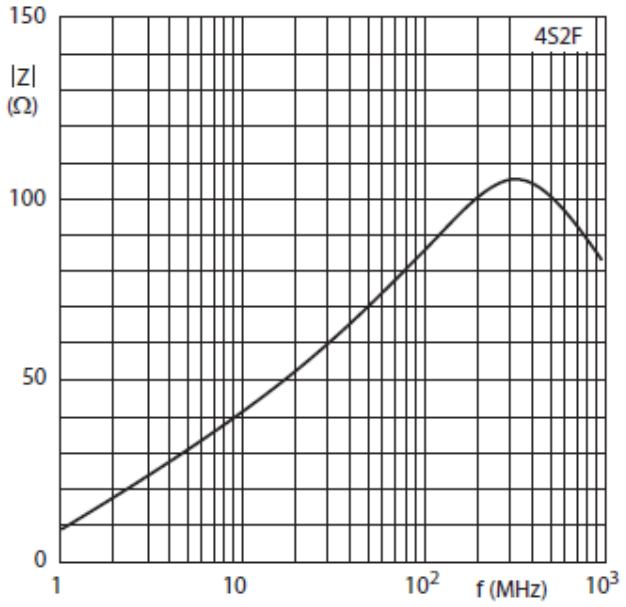

Fig. 4 Impedance as a function of frequency measured on a bead Ø5xØ2x10mm