

Material specification

3S1

3S1 SPECIFICATIONS

A low frequency EMI-suppression material specified on impedance and optimized for frequencies up to 30 MHz.

SYMBOL	CONDITIONS	VALUE	UNIT
μ_i	25 °C; ≤ 10 kHz; 0.25 mT	≈ 4000	
B	25 °C; 10 kHz; 1200 A/m	≈ 400	mT
	100 °C; 10 kHz; 1200 A/m	≈ 230	
$ Z ^{(1)}$	25 °C; 1 MHz	≥ 30	Ω
	25 °C; 10 MHz	≥ 60	
ρ	DC; 25 °C	≈ 1	Ωm
T_C		≥ 125	°C
density		≈ 4900	kg/m ³

Note

1. Measured on a bead $\varnothing 5 \times \varnothing 2 \times 10$ mm.

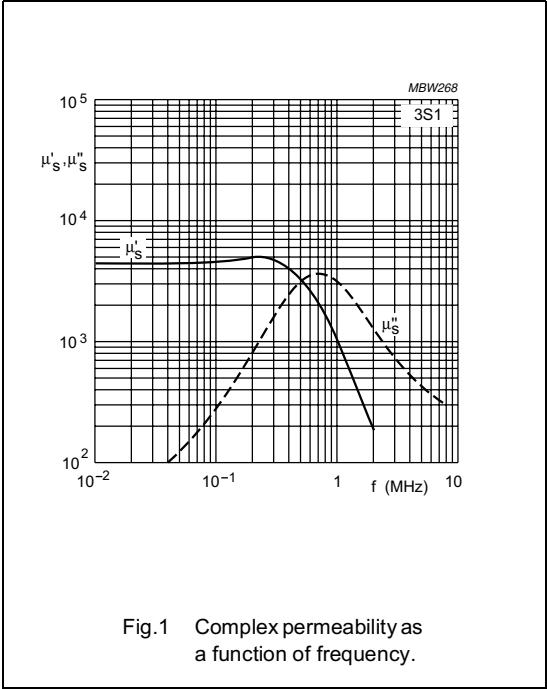


Fig.1 Complex permeability as a function of frequency.

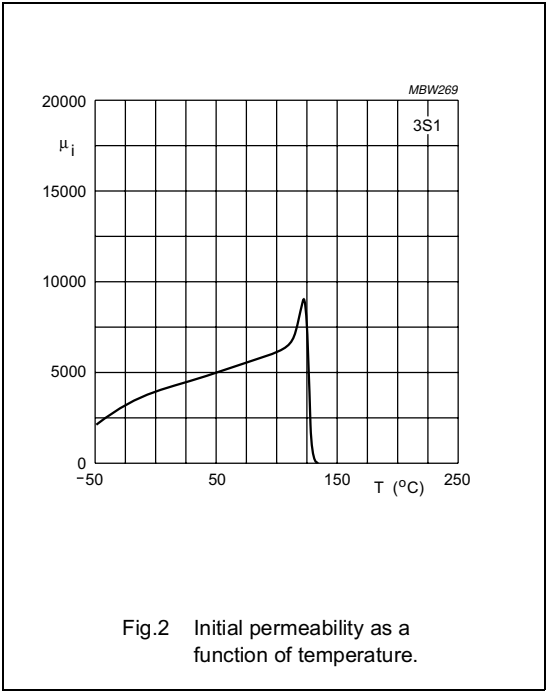


Fig.2 Initial permeability as a function of temperature.

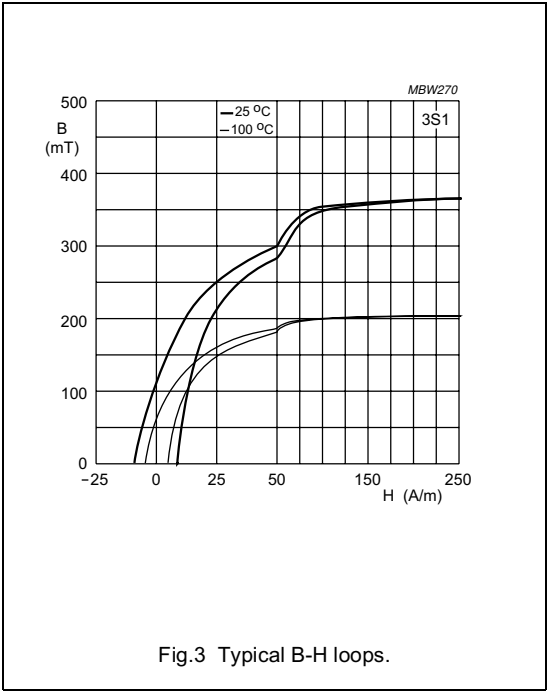


Fig.3 Typical B-H loops.

