

DATA SHEET

4S2 Material specification

Supersedes data of September 2004

2008 Sep 01

Material specification

4S2

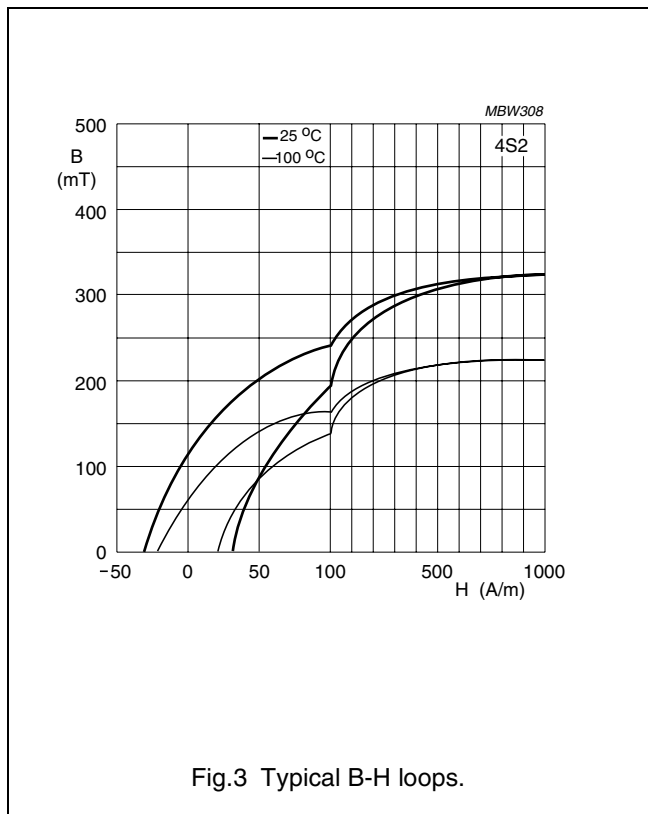
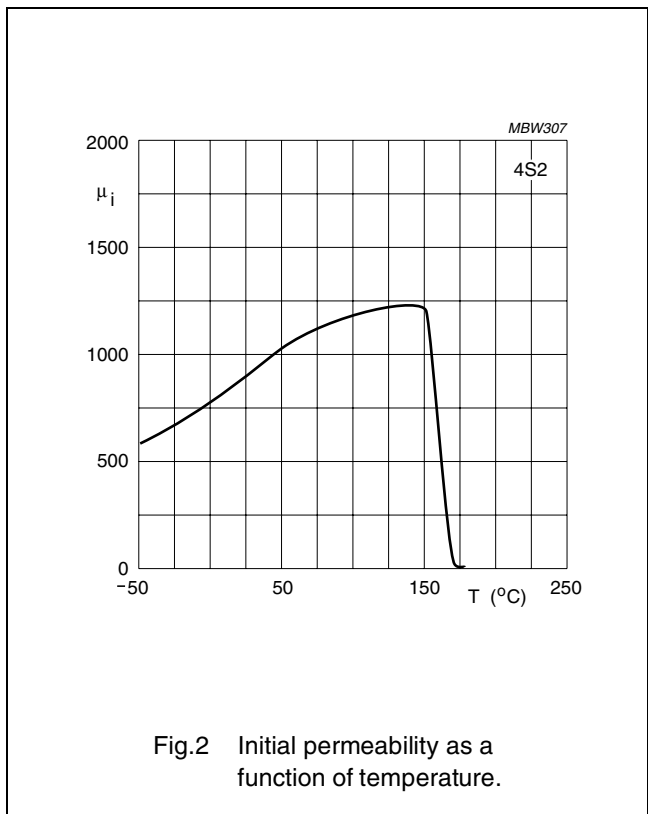
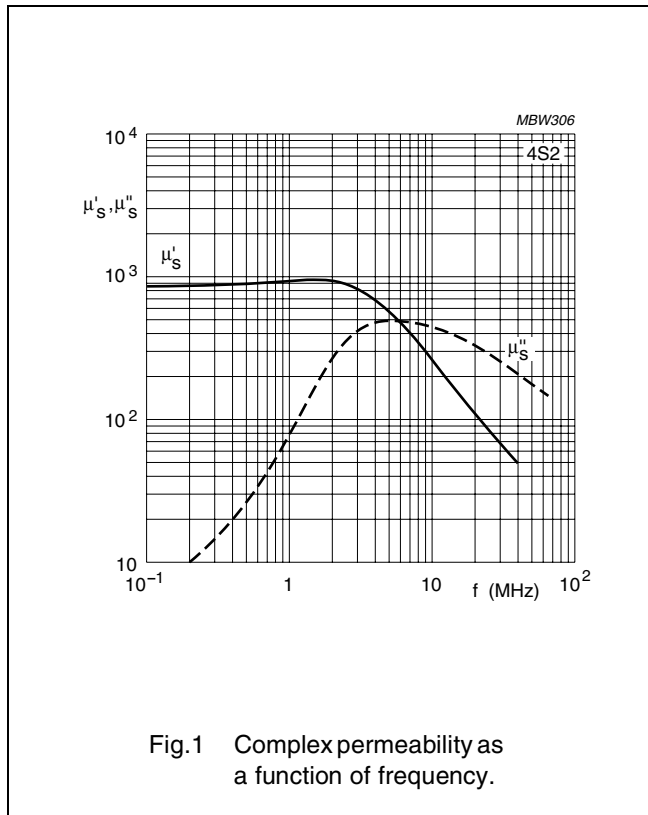
4S2 SPECIFICATIONS

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	≈ 850	
B	25 °C; 10 kHz; 1200 A/m 100 °C; 10 kHz; 1200 A/m	≈ 340 ≈ 230	mT
$ Z ^{(1)}$	25 °C; 30 MHz 25 °C; 300 MHz	≥ 50 ≥ 90	Ω
ρ	DC; 25 °C	$\approx 10^5$	Ωm
T_C		≥ 125	°C
density		≈ 5000	kg/m ³

Note

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



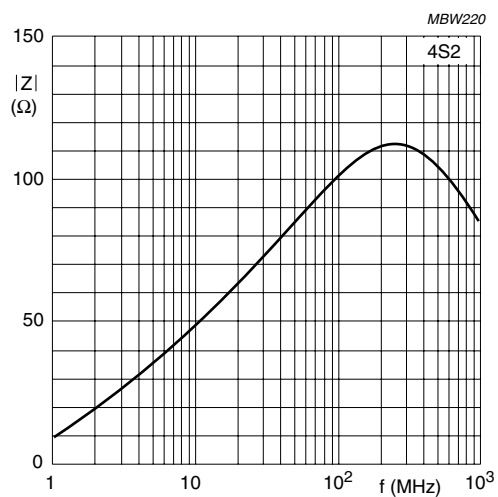


Fig.4 Impedance as a function of frequency, measured on a bead $\varnothing 5 \times \varnothing 2 \times 10$ mm.

DATA SHEET STATUS DEFINITIONS

DATA SHEET STATUS	PRODUCT STATUS	DEFINITIONS
Preliminary specification	Development	This data sheet contains preliminary data. Ferroxcube reserves the right to make changes at any time without notice in order to improve design and supply the best possible product.
Product specification	Production	This data sheet contains final specifications. Ferroxcube reserves the right to make changes at any time without notice in order to improve design and supply the best possible product.

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