

# DATA SHEET

## **3S1** Material specification

Supersedes data of September 2004

2008 Sep 01

Material specification

3S1

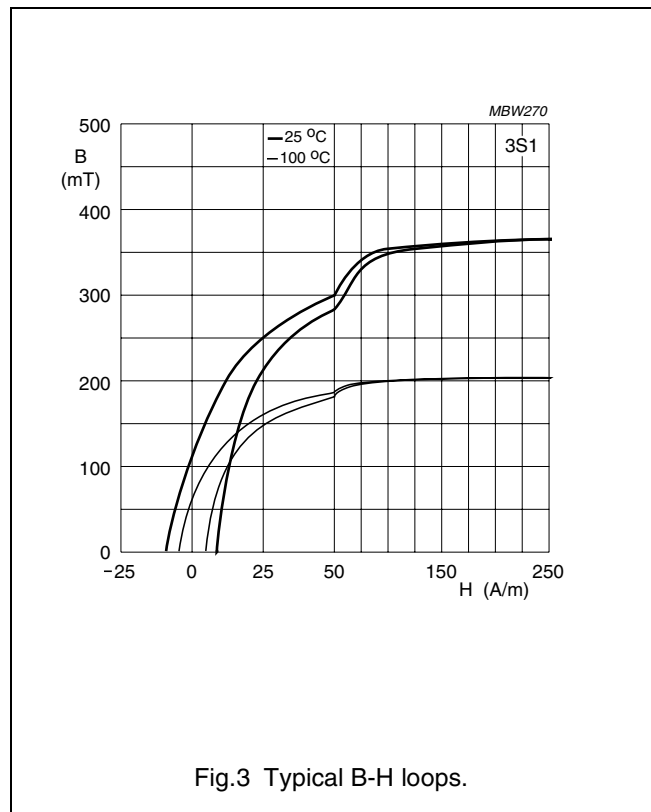
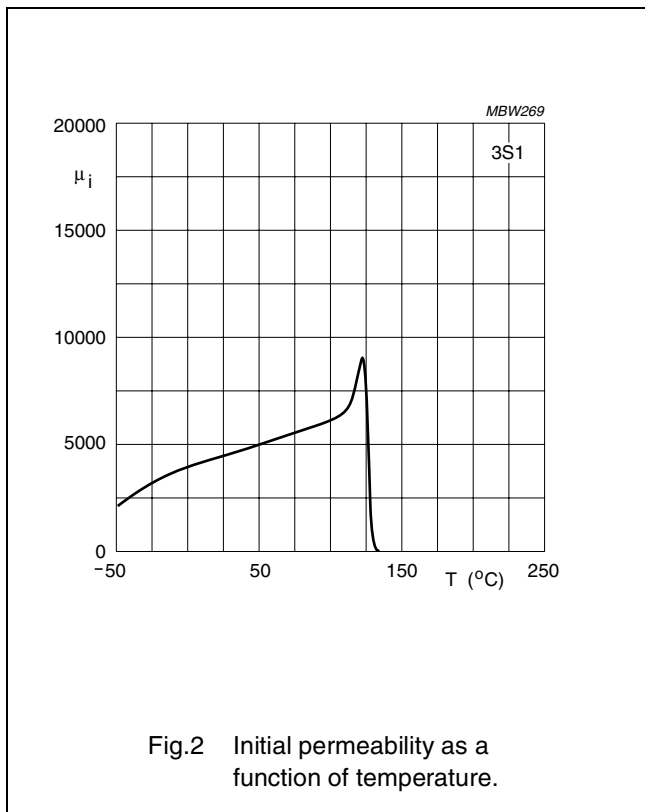
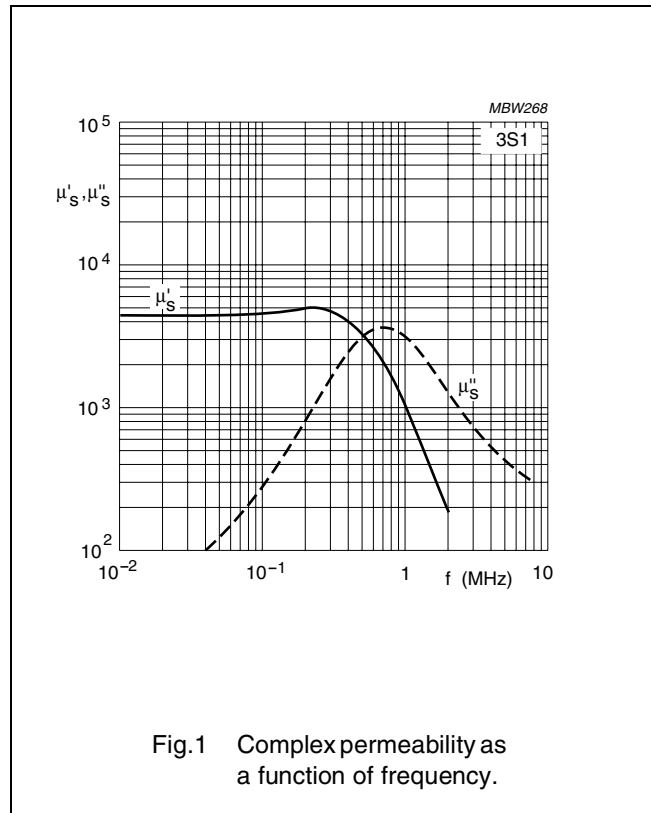
3S1 SPECIFICATIONS

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

SYMBOL	CONDITIONS	VALUE	UNIT
$\mu_i$	25 °C; $\leq 10$ kHz; 0.25 mT	$\approx 4000$	
B	25 °C; 10 kHz; 1200 A/m 100 °C; 10 kHz; 1200 A/m	$\approx 400$ $\approx 230$	mT
$ Z ^{(1)}$	25 °C; 1 MHz 25 °C; 10 MHz	$\geq 30$ $\geq 60$	$\Omega$
$\rho$	DC; 25 °C	$\approx 1$	$\Omega\text{m}$
$T_C$		$\geq 125$	°C
density		$\approx 4900$	$\text{kg/m}^3$

Note

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



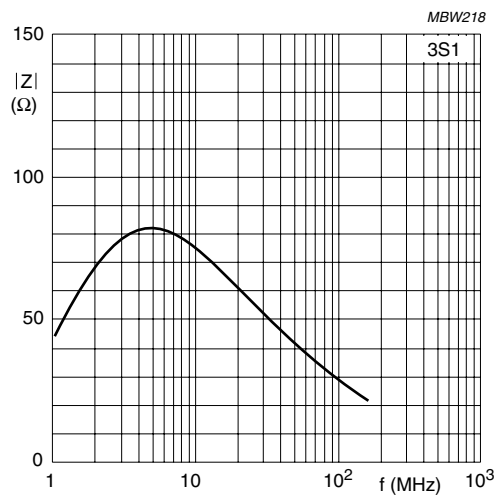


Fig.3 Impedance as a function of frequency, measured on a bead  $\varnothing 5 \times \varnothing 2 \times 10$  mm.




**DATA SHEET STATUS DEFINITIONS**

DATA SHEET STATUS	PRODUCT STATUS	DEFINITIONS
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