# **FERROXCUBE**

# DATA SHEET

# **3B1**Material specification

Supersedes data of February 2002

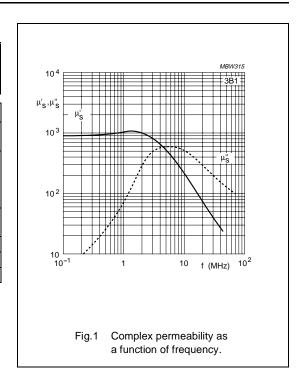
2004 Sep 01

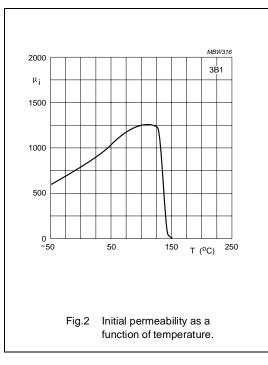


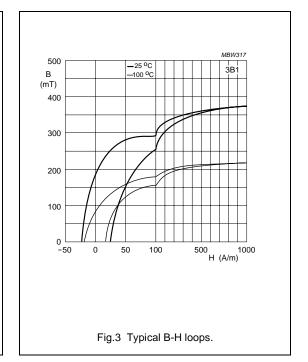
### **3B1 SPECIFICATIONS**

Medium permeability MnZn ferrite for use in wideband EMI-suppression (10 - 100 MHz) as well as RF tuning, wideband and balun transformers.

SYMBOL	CONDITIONS	VALUE	UNIT
$\mu_{i}$	25 °C; ≤10 kHz; 0.25 mT	900 ±20%	
В	25 °C; 10 kHz; 1200 A/m	≈ 380	mT
	100 °C; 10 kHz; 1200 A/m	≈ 230	
tanδ/μ <sub>i</sub>	25 °C; 450 kHz; 0.25 mT	≤ 50 × 10 <sup>-6</sup>	
ρ	DC; 25 °C	≈ 0.2	Ωm
T <sub>C</sub>		≥ 150	°C
density		≈ 4800	kg/m <sup>3</sup>







2004 Sep 01

65

# Material specification

3B1

#### **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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## PRODUCT STATUS DEFINITIONS

STATUS	INDICATION	DEFINITION
Prototype	prot	These are products that have been made as development samples for the purposes of technical evaluation only. The data for these types is provisional and is subject to change.
Design-in	des	These products are recommended for new designs.
Preferred		These products are recommended for use in current designs and are available via our sales channels.
Support	sup	These products are <b>not</b> recommended for new designs and may not be available through all of our sales channels. Customers are advised to check for availability.

2004 Sep 01 66