

# DATA SHEET

## **4A15** Material specification

Supersedes data of September 2004

2008 Sep 01

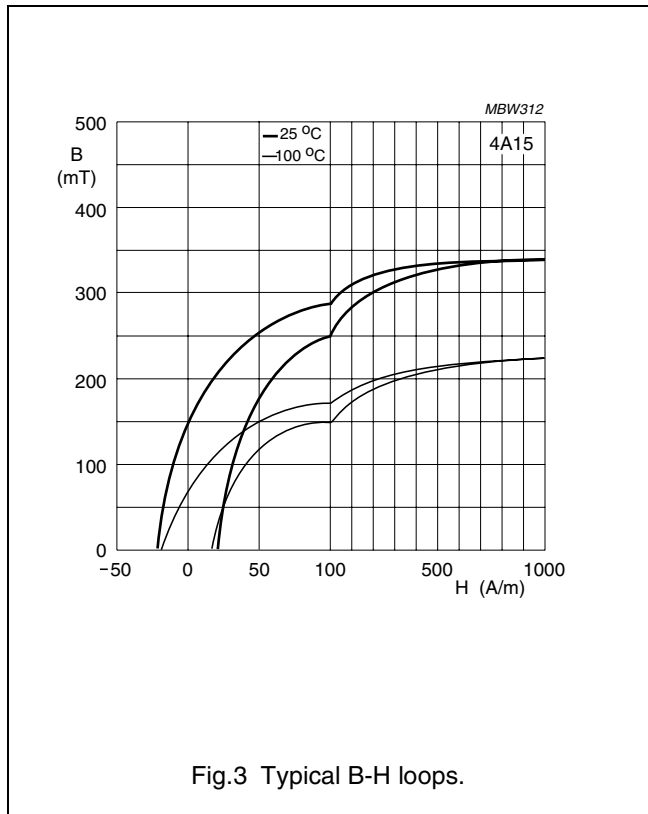
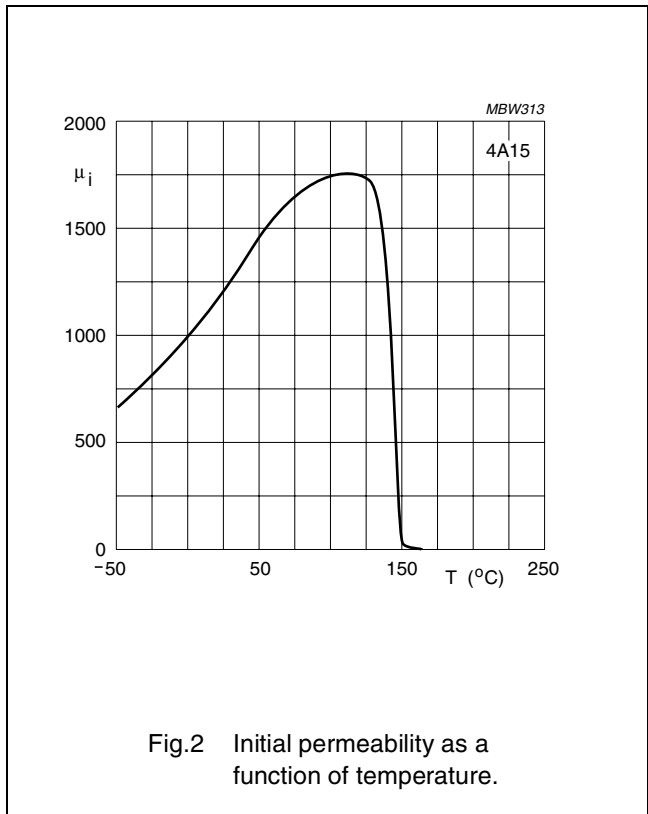
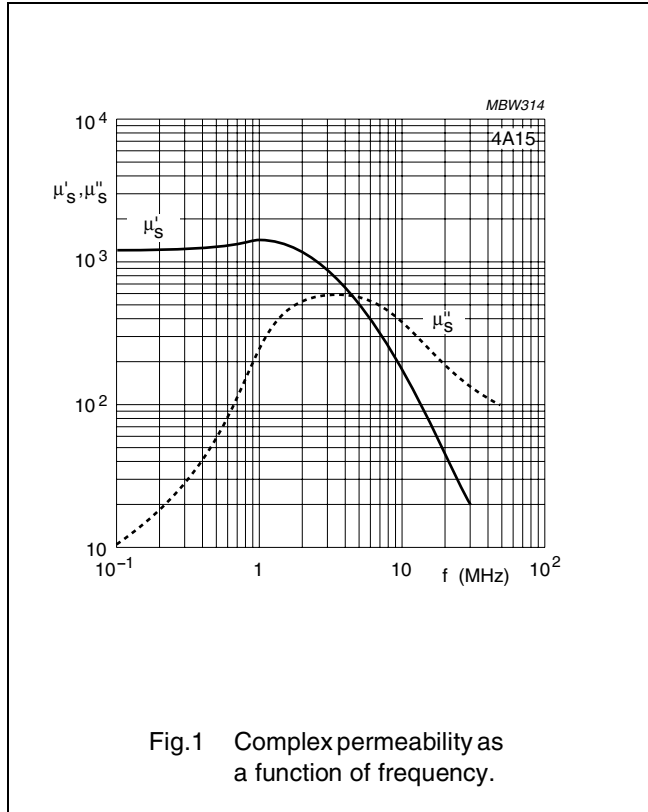
Material specification

4A15

4A15 SPECIFICATIONS

High permeability NiZn ferrite for use in wideband EMI-suppression (10 - 300 MHz) as well as RF wideband and balun transformers.

SYMBOL	CONDITIONS	VALUE	UNIT
$\mu_i$	25 °C; $\leq 10$ kHz; 0.25 mT	1200 $\pm 20\%$	
B	25 °C; 10 kHz; 1200 A/m 100 °C; 10 kHz; 1200 A/m	$\approx 350$ $\approx 230$	mT
$\tan\delta/\mu_i$	25 °C; 1 MHz; 0.25 mT 25 °C; 3 MHz; 0.25 mT	$\leq 300 \times 10^{-6}$ $\leq 1500 \times 10^{-6}$	
$\rho$	DC; 25 °C	$\approx 10^5$	$\Omega\text{m}$
$T_C$		$\geq 125$	°C
density		$\approx 5100$	kg/m <sup>3</sup>






**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**

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<b>Prototype</b>		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.
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