

DATA SHEET

4S60 Material specification

Supersedes data of September 2004

2008 Sep 01

4S60 SPECIFICATIONS

High permeability specialty NiZn ferrite only used in absorber tiles for anechoic chambers operating at frequencies up to 1000 MHz.

SYMBOL	CONDITIONS	VALUE	UNIT
μ_i	25 °C; ≤ 10 kHz; 0.25 mT	$2000 \pm 20 \%$	
B	25 °C; 10 kHz; 1200 A/m 80 °C; 10 kHz; 1200 A/m	≈ 260 ≈ 150	mT
ρ	DC; 25 °C	$\approx 10^5$	Ωm
T_C		≥ 100	°C
density		≈ 5000	kg/m ³

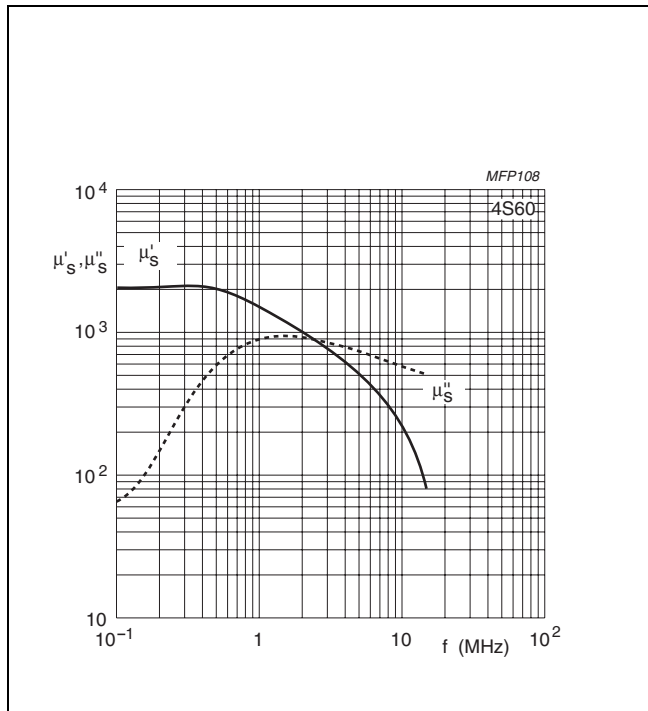


Fig.1 Complex permeability as a function of frequency.

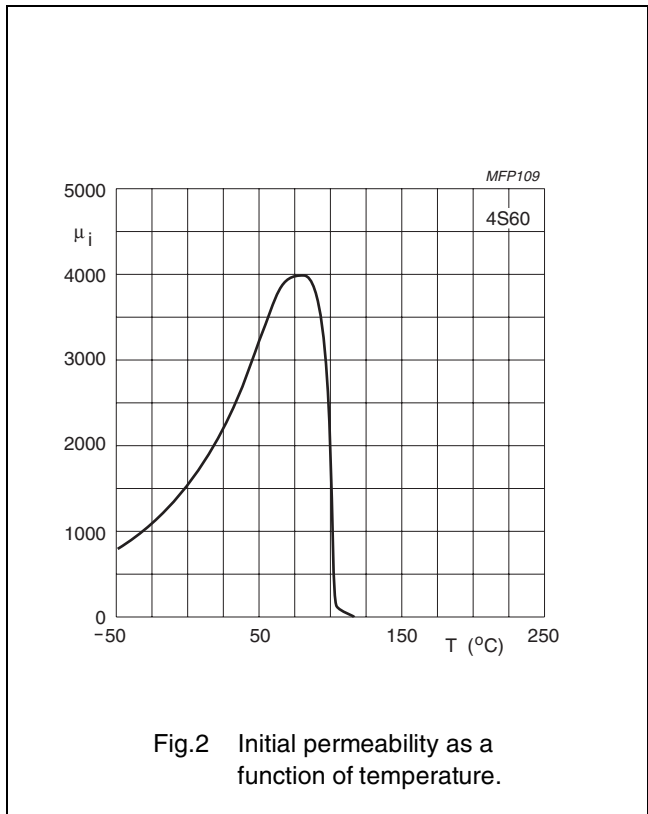


Fig.2 Initial permeability as a function of temperature.

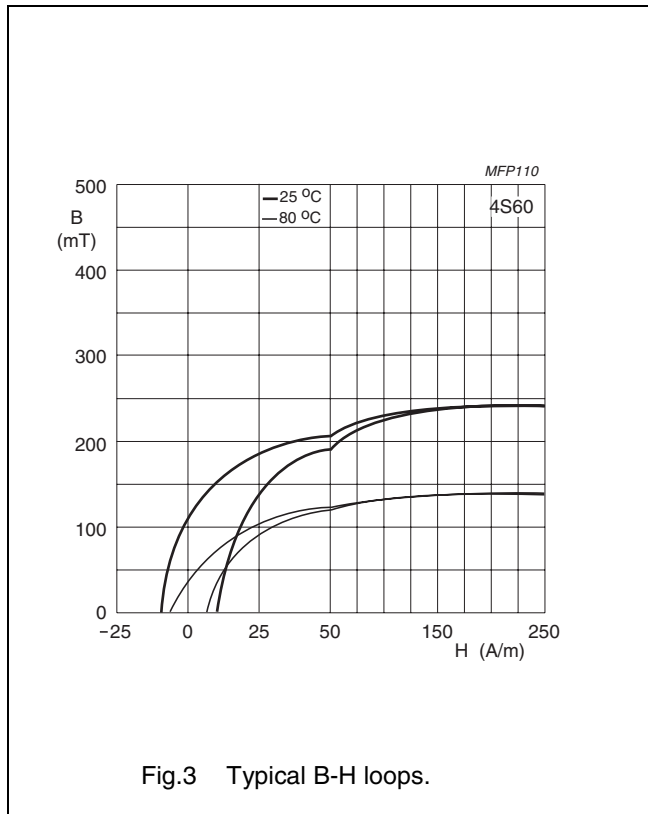


Fig.3 Typical B-H loops.

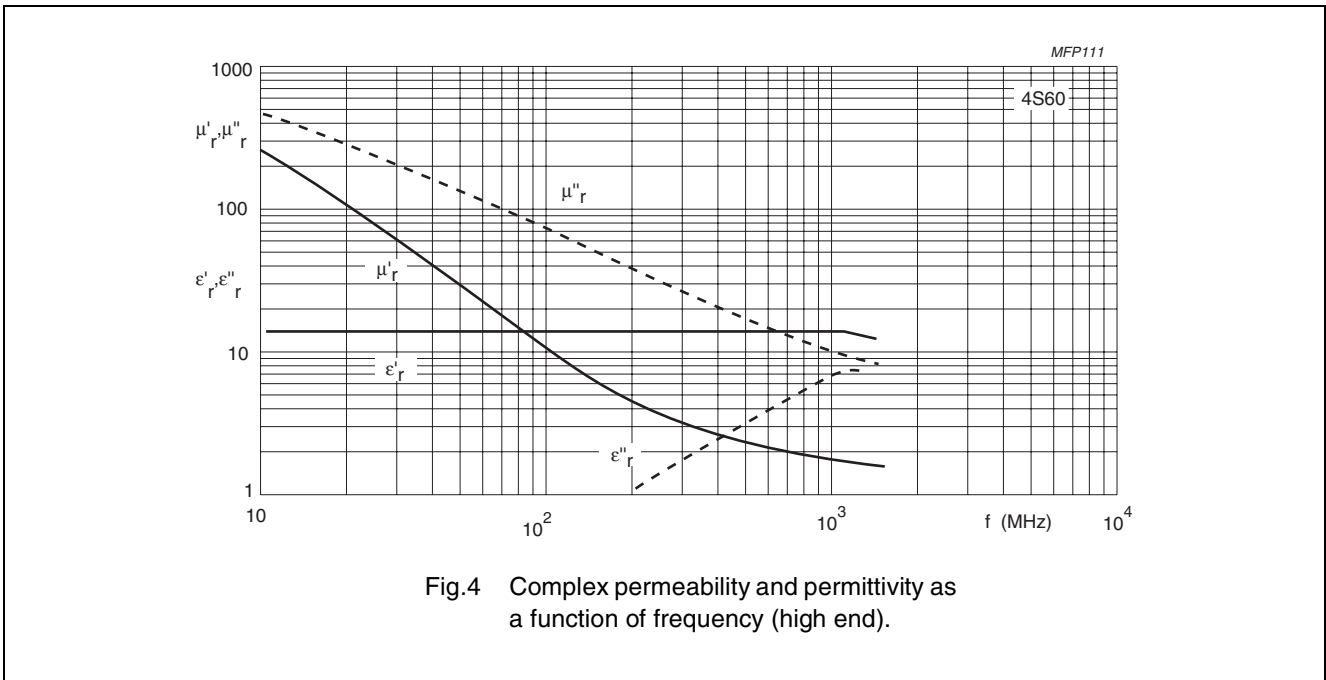


Fig.4 Complex permeability and permittivity as a function of frequency (high end).

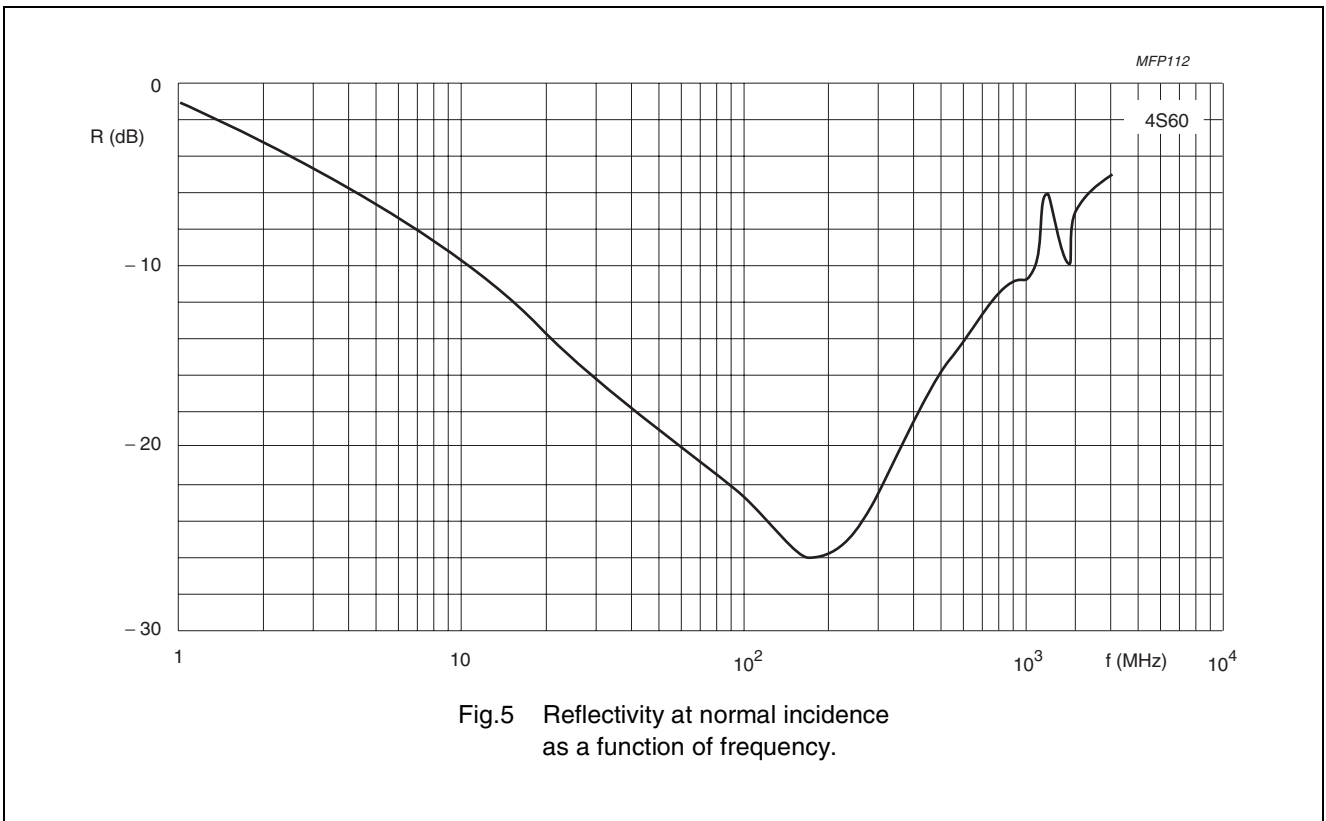


Fig.5 Reflectivity at normal incidence as a function of frequency.




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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