

## Material specification

4A20

## 4A20 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; ≤ 10 kHz; 0.25 mT	2000 ± 20 %	
B	25 °C; 10 kHz; 1200 A/m 80 °C; 10 kHz; 1200 A/m	≈ 260 ≈ 150	mT
$\rho$	DC; 25 °C	≈ 10 <sup>5</sup>	Ωm
T <sub>C</sub>		≥ 100	°C
density		≈ 5000	kg/m <sup>3</sup>

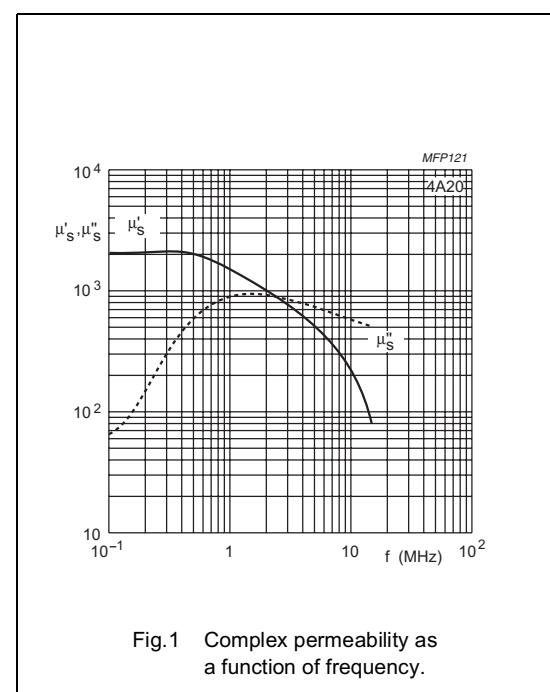


Fig.1 Complex permeability as a function of frequency.

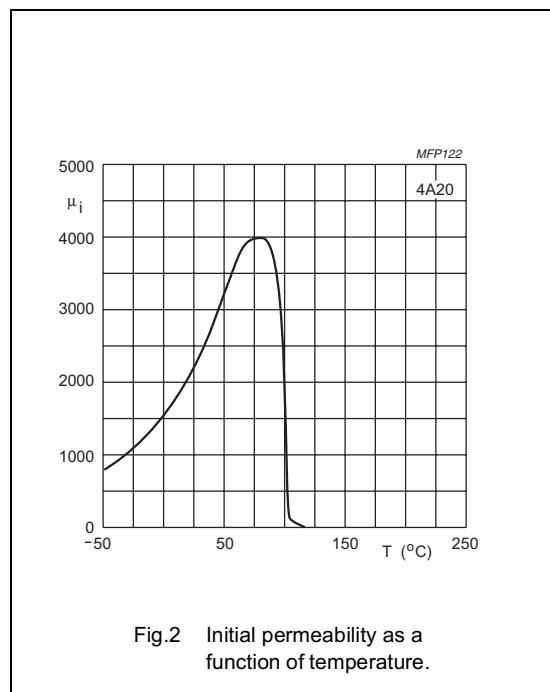


Fig.2 Initial permeability as a function of temperature.

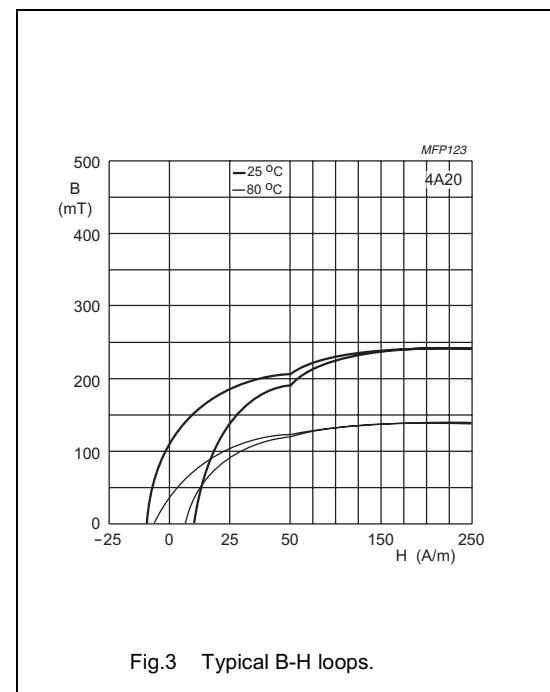


Fig.3 Typical B-H loops.