

DATA SHEET

3N10

Draft material specification

2020 April 27th

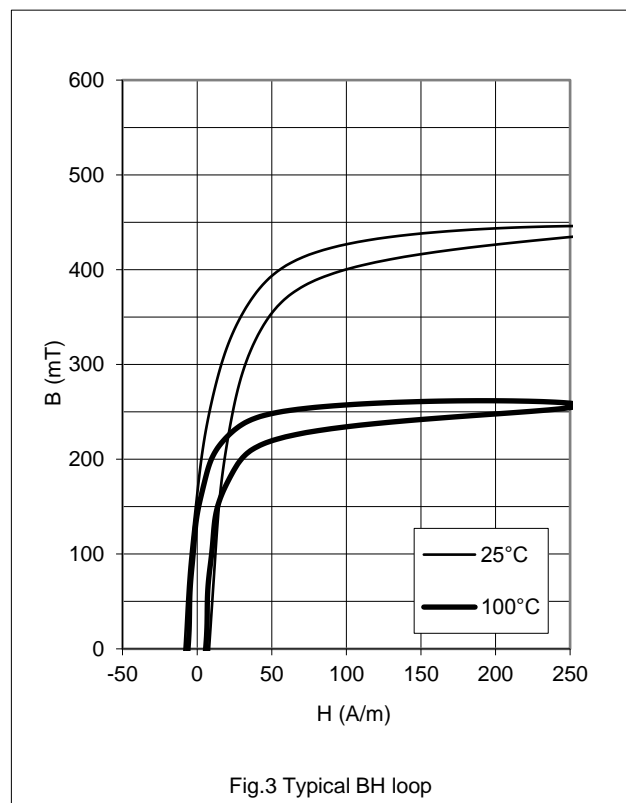
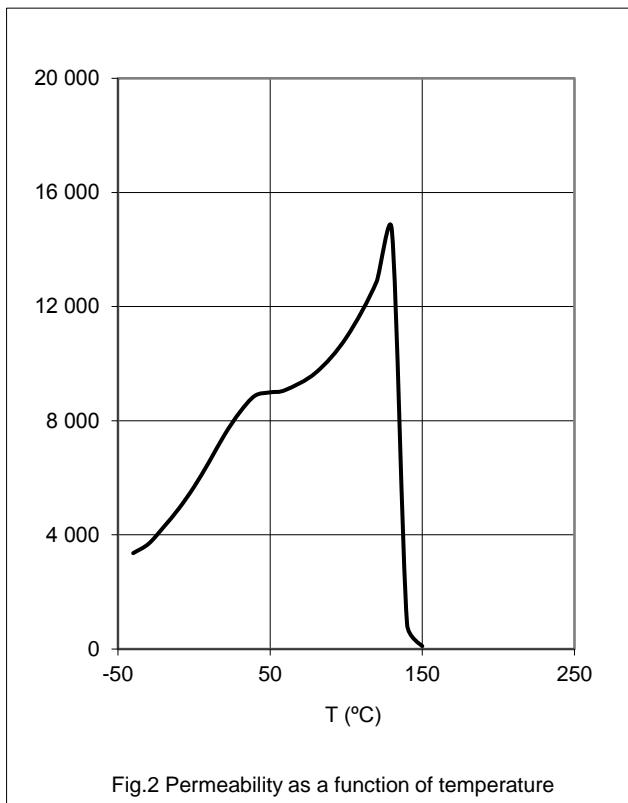
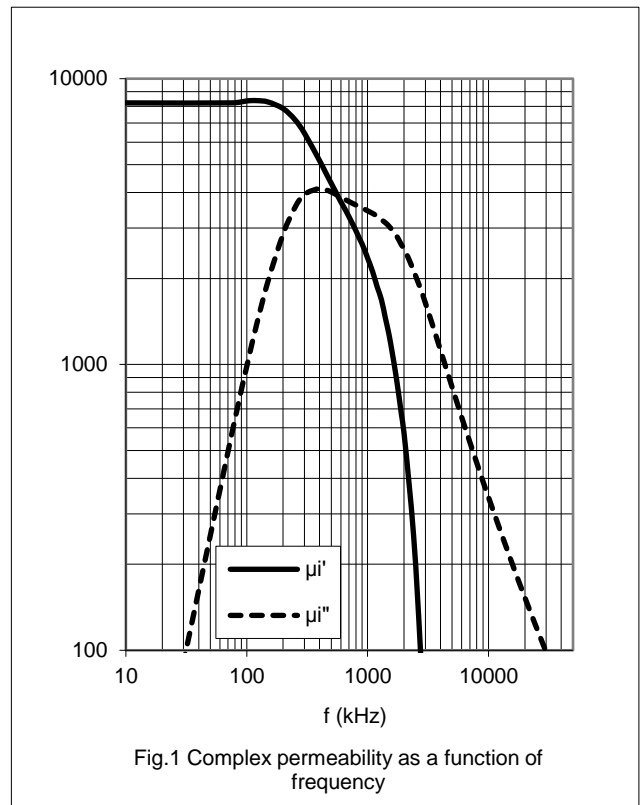


3N10 SPECIFICATION

An EMI-suppression material for conducted emissions up to 30 MHz with a maximum impedance in the frequency range 0.1 to 1 MHz.

SYMBOL	CONDITIONS	VALUE	UNIT
μ_i	25°C; 10kHz; 0.25mT	≈ 8000	
B	25°C; 10kHz; 1200A/m	≈ 460	mT
	100°C; 10kHz; 1200A/m	≈ 270	
Z C ₁ / N ²	25°C; 0.3MHz; 0.25mT	≈ 14	Ω/mm
	25°C; 1MHz; 0.25mT	≈ 26	
ρ_{DC}	25°C	≈ 0.5	Ωm
T _c		≥ 130	°C
density		≈ 5000	kg / m ³

Measured on T14/9/5



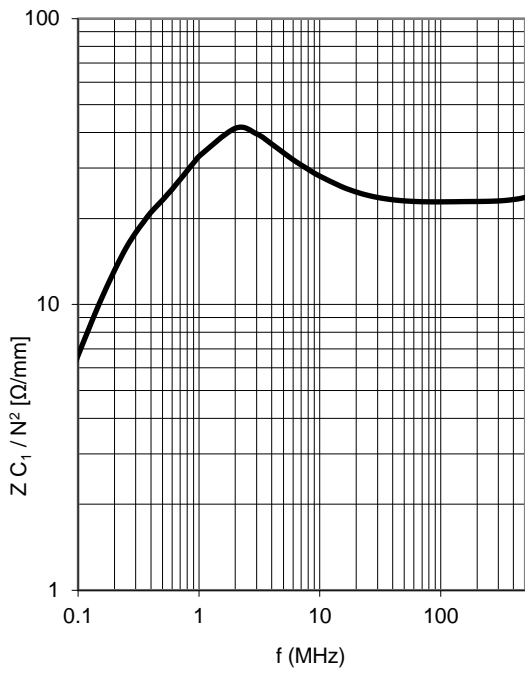


Fig.4 Normalized impedance as a function of frequency

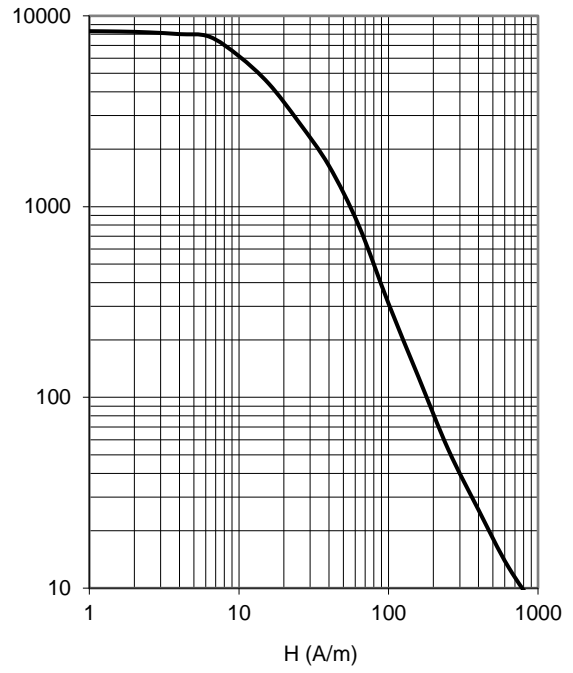


Fig.5 Reversible permeability as a function of magnetic field strength.