

# DATA SHEET

**3N3**

Draft material specification

2020 April 27th

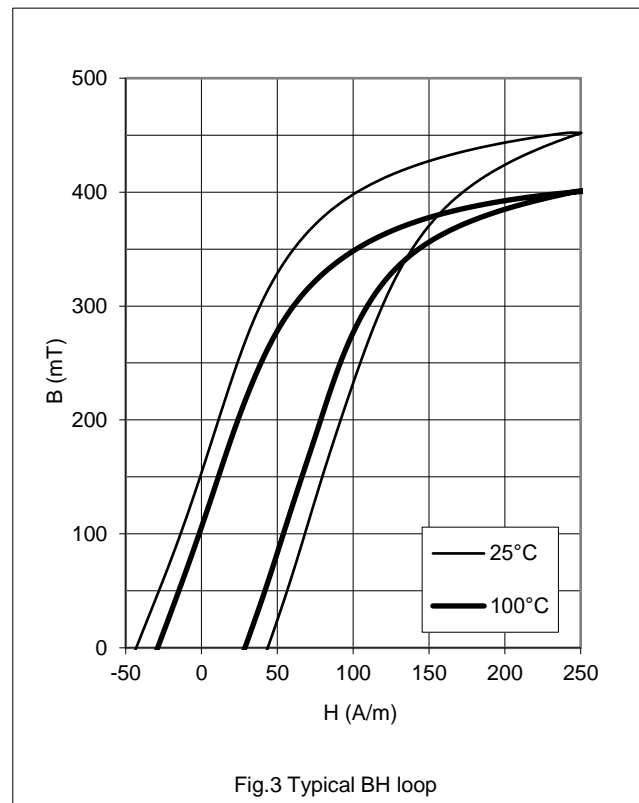
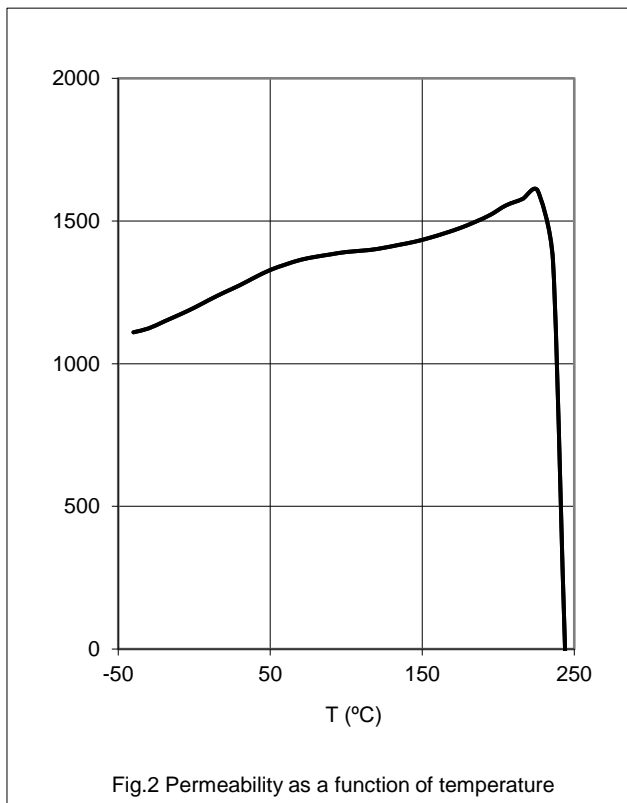
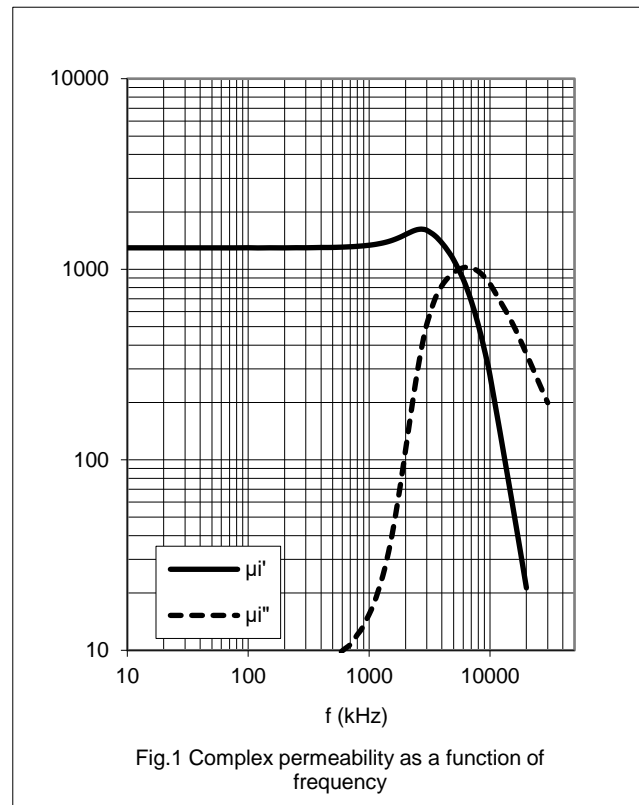


**3N3 SPECIFICATION**

An EMI-suppression material for conducted emissions up to 30 MHz with a maximum impedance in the frequency range 3 to 20 MHz.

SYMBOL	CONDITIONS	VALUE	UNIT
$\mu_i$	25°C; 10kHz; 0.25mT	$\approx 1250$	
B	25°C; 10kHz; 1200A/m	$\approx 520$	mT
	100°C; 10kHz; 1200A/m	$\approx 420$	
$Z_{C_1} / N^2$	25°C; 5MHz; 0.25mT	$\approx 40$	$\Omega/\text{mm}$
	25°C; 10MHz; 0.25mT	$\approx 50$	
$\rho_{DC}$	25°C	$\approx 15$	$\Omega\text{m}$
$T_c$		$\geq 200$	$^{\circ}\text{C}$
density		$\approx 4750$	$\text{kg} / \text{m}^3$

Measured on T14/9/5



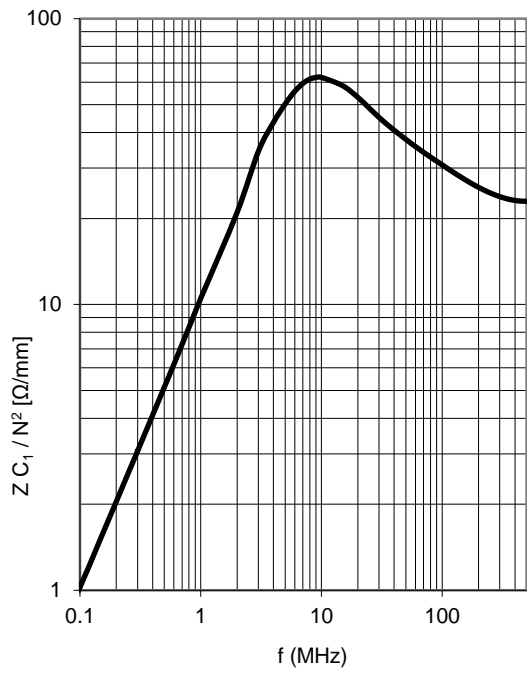


Fig.4 Normalized impedance as a function of frequency

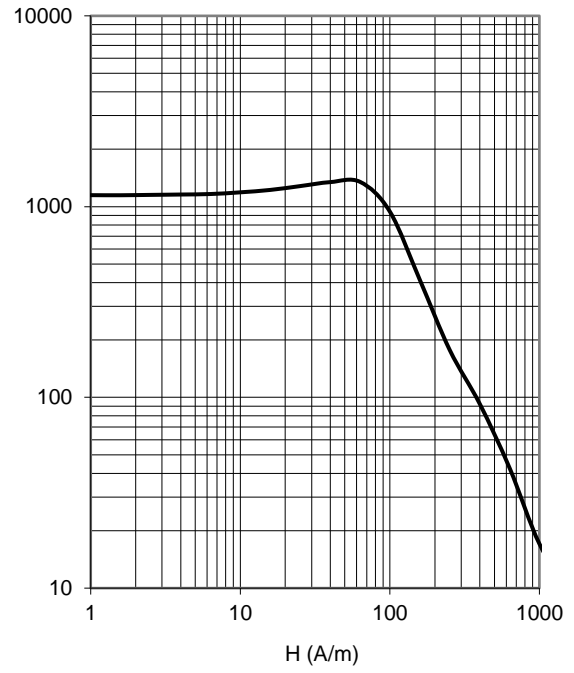


Fig.5 Reversible permeability as a function of magnetic field strength.