

DATA SHEET

3F46

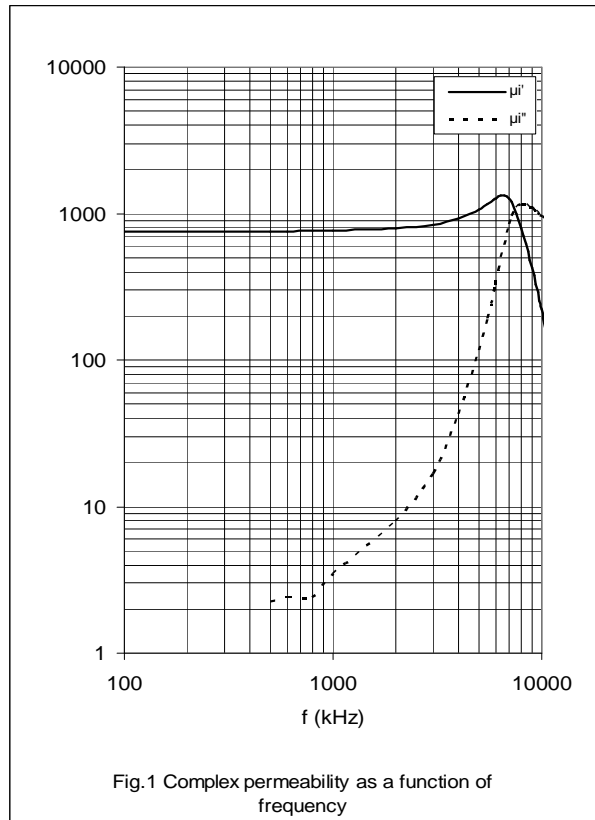
Material specification

2016 March 03

3F46 SPECIFICATION

A high frequency power material for use in power and general purpose transformers at frequencies of 1-3MHz. Temperature characteristic tuned for stable operation in range 25-100°C. Available in product size up to 40mm.

SYMBOL	CONDITIONS	VALUE	UNIT
μ_i	25°C; 10kHz; 0.25mT	750 ± 20%	
μ_a	100°C; 25kHz; 200mT	≈ 1500	
B	25°C; 10kHz; 1200A/m 100°C; 10kHz; 1200A/m	≈ 520 ≈ 430	mT
Pv	100°C; 1MHz; 50mT 100°C; 3MHz; 10mT 100°C; 3MHz; 30mT	≈ 150 ≈ 50 ≈ 500	mW/cm ³
ρ_{DC}	25°C	≈ 5	Ωm
Tc		≥ 280	°C
density		≈ 4750	kg / m ³



based on T14/9/5

