

Material specification

4E1

4E1 SPECIFICATIONS

Low permeability NiZn ferrite for use in RF tuning, wideband and balun transformers.

SYMBOL	CONDITIONS	VALUE	UNIT
μ_i	25 °C; ≤ 10 kHz; 0.25 mT	$15 \pm 20\%$	
B	25 °C; 10 kHz; 20 kA/m 100 °C; 10 kHz; 20 kA/m	≈ 220 ≈ 210	mT
$\tan\delta/\mu_i$	25 °C; 10 MHz; 0.25 mT 25 °C; 30 MHz; 0.25 mT	$\leq 300 \times 10^{-6}$ $\leq 350 \times 10^{-6}$	
ρ	DC; 25 °C	$\approx 10^5$	Ωm
T_C		≥ 500	°C
density		≈ 3700	kg/m^3

