

Material specification

4D2

4D2 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	$60 \pm 20\%$	
B	25 °C; 10 kHz; 10 kA/m 100 °C; 10 kHz; 10 kA/m	≈ 250 ≈ 230	mT
$\tan\delta/\mu_i$	25 °C; 10 MHz; 0.25 mT 25 °C; 30 MHz; 0.25 mT	$\leq 100 \times 10^{-6}$ $\leq 600 \times 10^{-6}$	
ρ	DC, 25 °C	$\approx 10^5$	Ωm
T_C		≥ 400	°C
density		≈ 4200	kg/m^3

