Material specification

3C92 SPECIFICATIONS

A low frequency, high Bsat power material for use in power inductors at frequencies up to 0.2 MHz.

SYMBOL	CONDITIONS	VALUE	UNIT
μ	25 °C; ≤10 kHz; 0.25 mT	1500 ±20%	
μ _a	100 °C; 25 kHz; 200 mT	≈ 5000	
В	25 °C; 10 kHz; 1200 A/m	≈ 540	mT
	100 °C; 10 kHz; 1200 A/m	≈ 460	
	140 °C; 10 kHz; 1200 A/m	≈ 400	
P _V	100 °C; 100 kHz; 100 mT	≈ 50	kW/m ³
	100 °C; 100 kHz; 200 mT	≈ 350	
ρ	DC; 25 °C	≈ 5	Ωm
T _C		≥ 270	°C
density		≈ 4800	kg/m ³









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