

DATA SHEET

3C95A

Material specification

2016 February 19

3C95A SPECIFICATION

A low to medium frequency power material with low power losses from 25 to 100 °C for use in power transformers up to 0.5 MHz. Especially suited for broad temperature range applications like automotive, lighting, hand held.

SYMBOL	CONDITIONS	VALUE	UNIT
μ_i	25°C; 10kHz; 0.25mT	$3300 \pm 20\%$	
μ_a	100°C; 25kHz; 200mT	≈ 5000	
B	25°C; 10kHz; 1200A/m	≈ 550	mT
	100°C; 10kHz; 1200A/m	≈ 430	
Pv	25°C; 100kHz; 200mT	≈ 300	mW/cm ³
	100°C; 100kHz; 200mT	≈ 290	
ρ_{DC}	25°C	≈ 10	Ωm
Tc		≥ 220	°C
density		≈ 4850	kg/m ³



