

**FERROXCUBE**

# DATA SHEET

## **3C92A**

### **Material specification**

2016 September 28



**3C92A SPECIFICATION**

A low to medium frequency power material with high saturation, dedicated for application with high dc current like output chokes, power inverters, DC-DC converters. Available in selected product range, up to 40 mm size.

SYMBOL	CONDITIONS	VALUE	UNIT
$\mu_i$	25°C; 10kHz; 0.25mT	1800 ± 25%	
$\mu_a$	100°C; 25kHz; 200mT	≈ 5500	
B	25°C; 10kHz; 1200A/m	≈ 570	mT
	100°C; 10kHz; 1200A/m	≈ 480	
	140°C; 10kHz; 1200A/m	≈ 400	
P <sub>v</sub>	100°C; 100kHz; 200mT	≈ 300	kW / m <sup>3</sup>
$\rho_{DC}$	25°C	≈ 5	Ωm
T <sub>c</sub>		≥ 280	°C
density		≈ 4900	kg / m <sup>3</sup>



