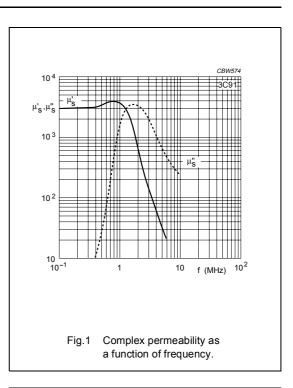
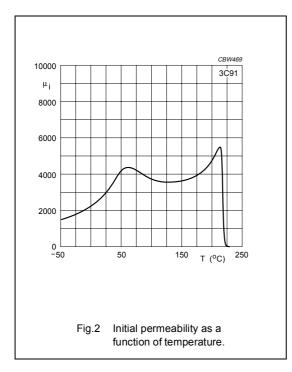
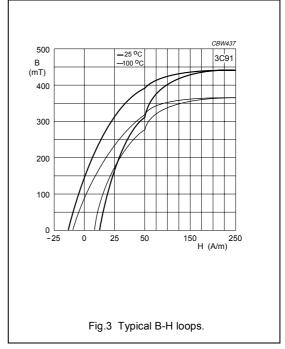
## **3C91 SPECIFICATIONS**

A medium frequency power material with minimum power losses around 60  $^{\circ}$ C for use in power and general purpose transformers at frequencies up to 0.3 MHz.

SYMBOL	CONDITIONS	VALUE	UNIT
STWIDGE			ONT
$\mu_{i}$	25 °C; ≤10 kHz;	3000 ±20%	
	0.25 mT		
μa	100 °C; 25 kHz;	5500 ±25%	
	200 mT		
В	25 °C; 10 kHz;	≈ 470	mT
	1200 A/m		
	100 °C; 10 kHz;	≈ 370	mT
	1200 A/m		
P <sub>V</sub>	60 °C; 100 kHz;	≤ 40	kW/m <sup>3</sup>
	100 mT		
	60 °C; 100 kHz;	≈ 300	
	200 mT		
ρ	DC, 25 °C	≈ 5	Ωm
T <sub>C</sub>		≥ 220	°C
density		≈ 4800	kg/m <sup>3</sup>







2013 Jul 31 86

## Material specification

3C91

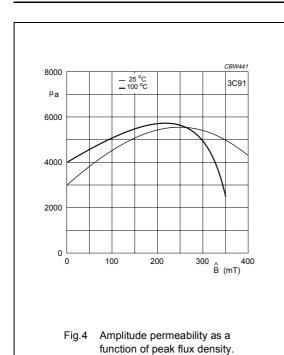
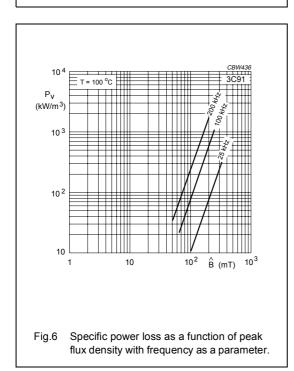
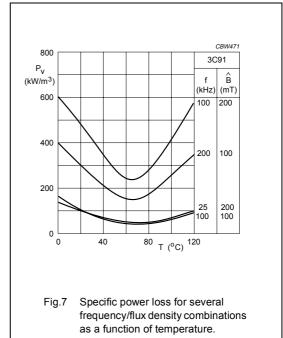


Fig.5 Reversible permeability as a function of magnetic field strength.





2013 Jul 31 87