

# DATA SHEET

**3C91**

Preliminary material grade  
specification

Supersedes data of November 1997  
File under Ferrite Ceramics, MA01

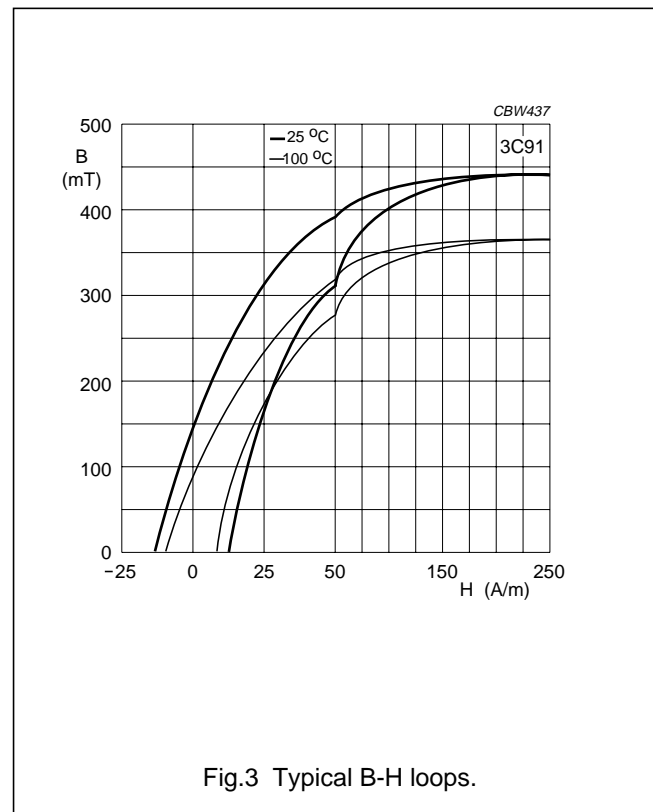
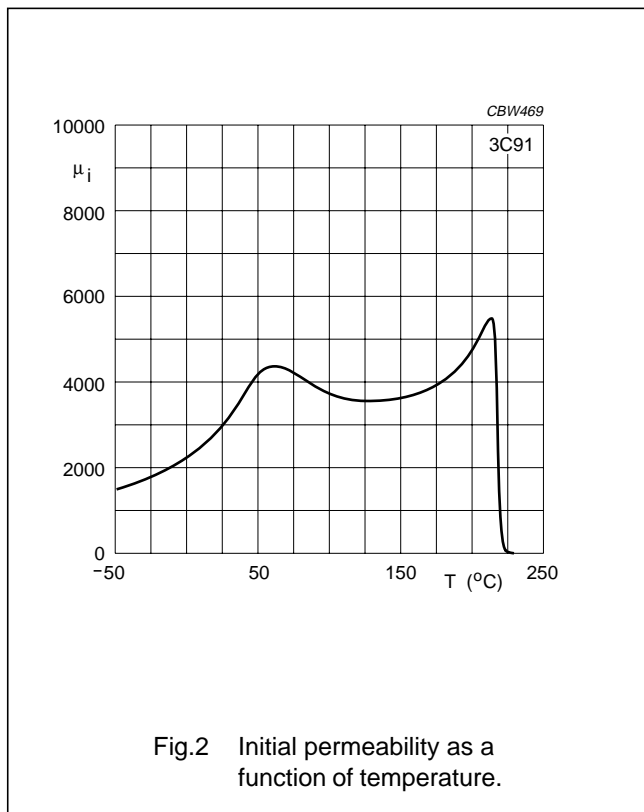
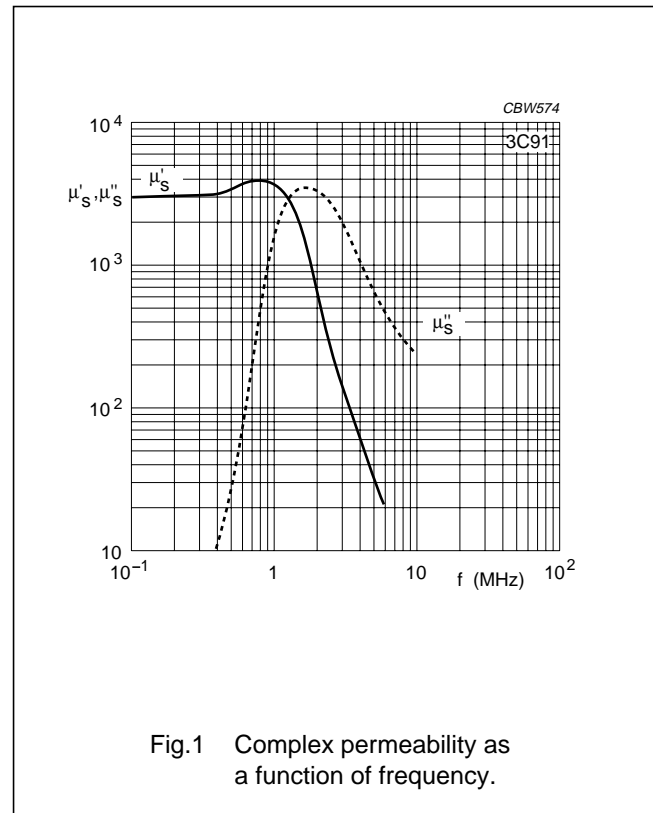
2000 Apr 20

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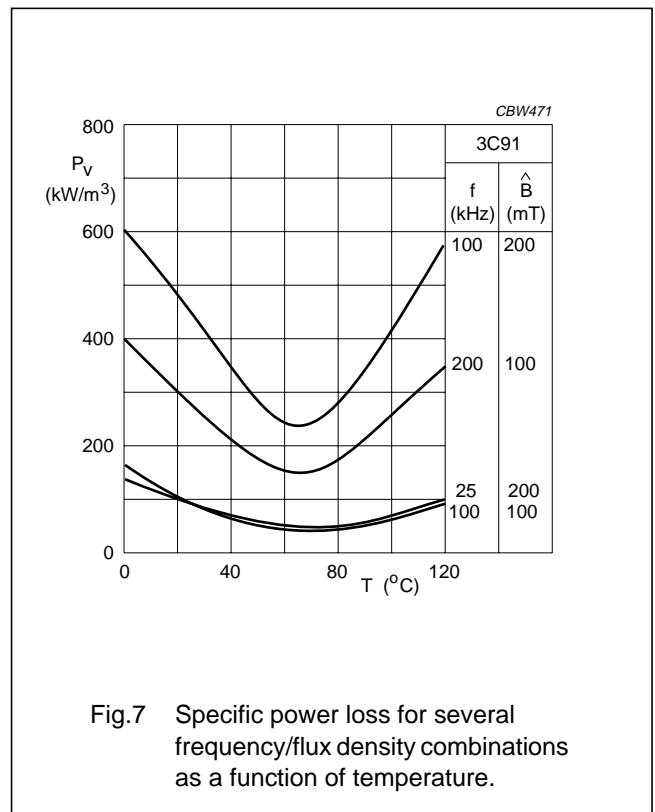
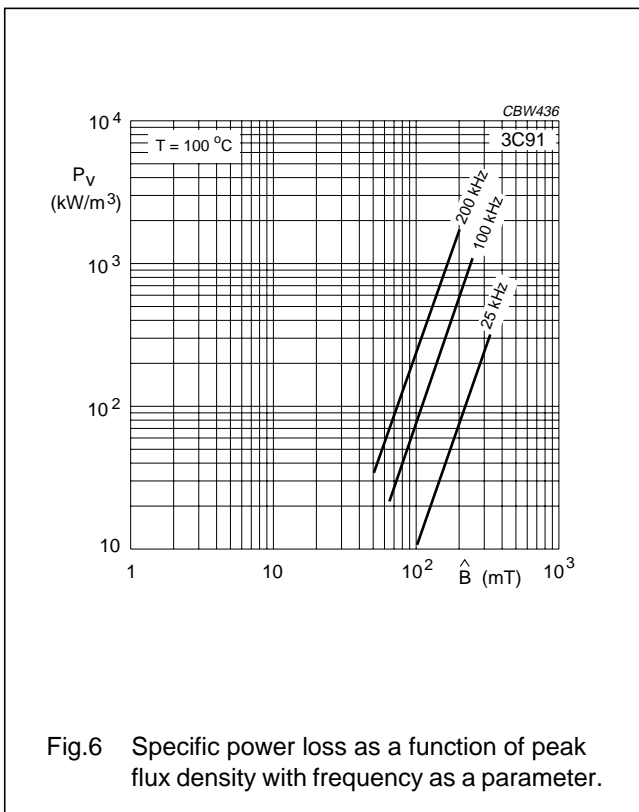
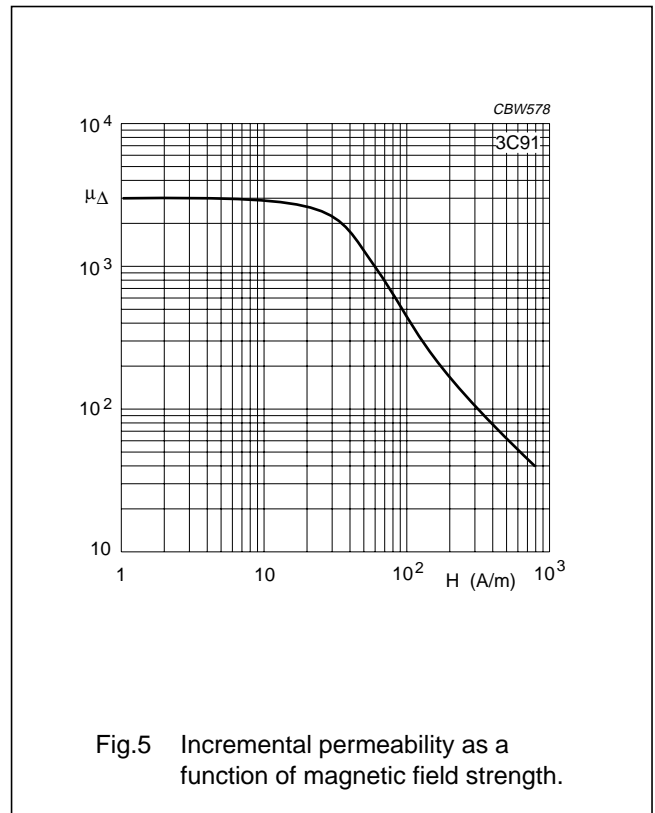
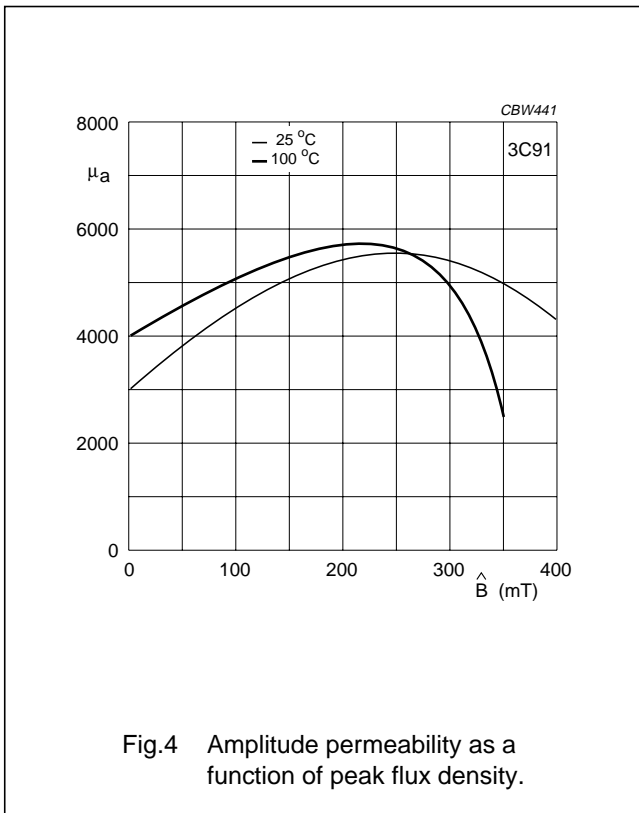
3C91 SPECIFICATIONS

SYMBOL	CONDITIONS	VALUE	UNIT
$\mu_i$	25 °C; $\leq 10$ kHz; 0.1 mT	$3000 \pm 20\%$	
$\mu_a$	100 °C; 25 kHz; 200 mT	$5500 \pm 25\%$	
B	25 °C; 10 kHz; 250 A/m	$\geq 430$	mT
	100 °C; 10 kHz; 250 A/m	$\geq 330$	mT
$P_v$	60 °C; 100 kHz; 100 mT	$\leq 40$	kW/m <sup>3</sup>
	60 °C; 100 kHz; 200 mT	$\approx 300$	
$\rho$	DC, 25 °C	$\approx 5$	$\Omega\text{m}$
$T_c$		$\geq 220$	°C
density		$\approx 4800$	kg/m <sup>3</sup>



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**DATA SHEET STATUS DEFINITIONS**

DATA SHEET STATUS	PRODUCT STATUS	DEFINITIONS
Preliminary specification	Development	This data sheet contains preliminary data. Philips Components reserves the right to make changes at any time without notice in order to improve design and supply the best possible product.
Product specification	Production	This data sheet contains final specifications. Philips Components reserves the right to make changes at any time without notice in order to improve design and supply the best possible product.

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<b>Preferred</b>		These products are recommended for use in current designs and are available via our sales channels.
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