

# DATA SHEET

**3C30**

**Material grade specification**

Supersedes data of November 1997  
File under Ferrite Ceramics, MA01

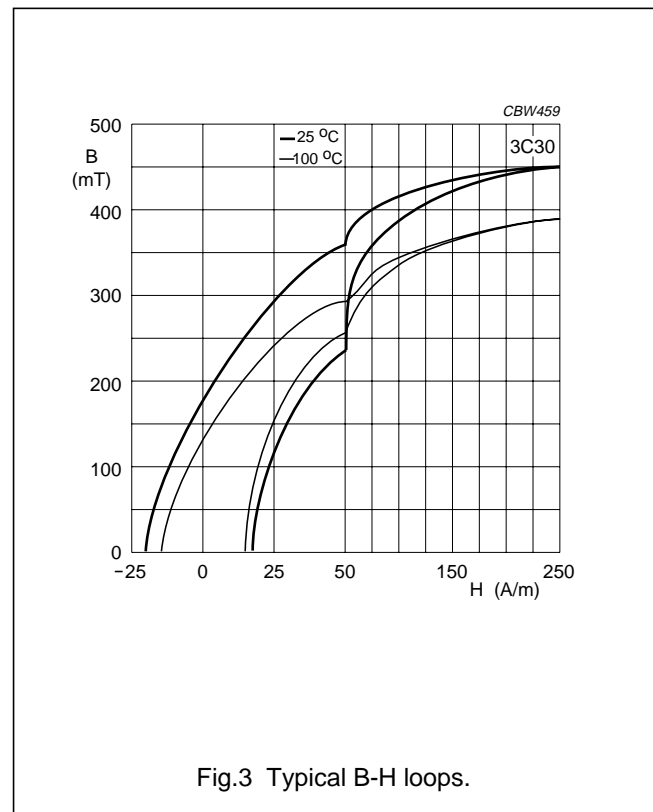
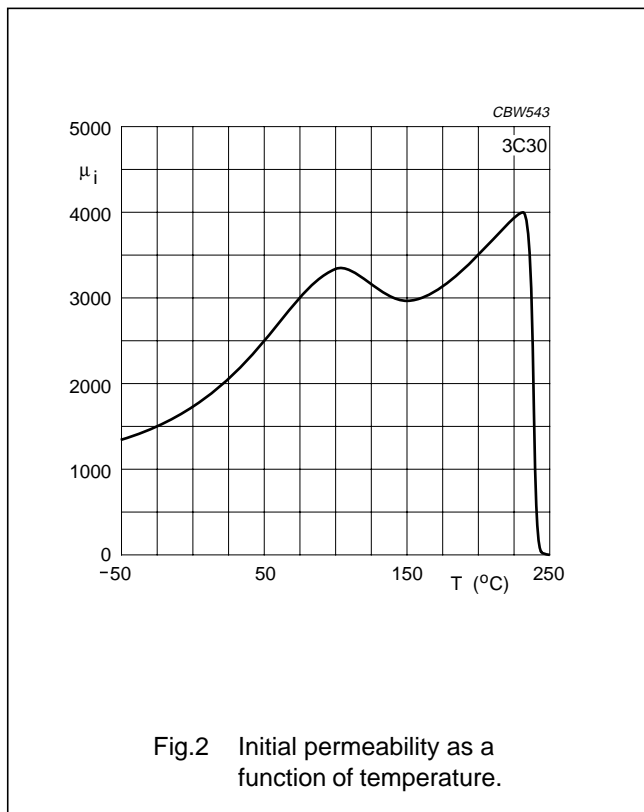
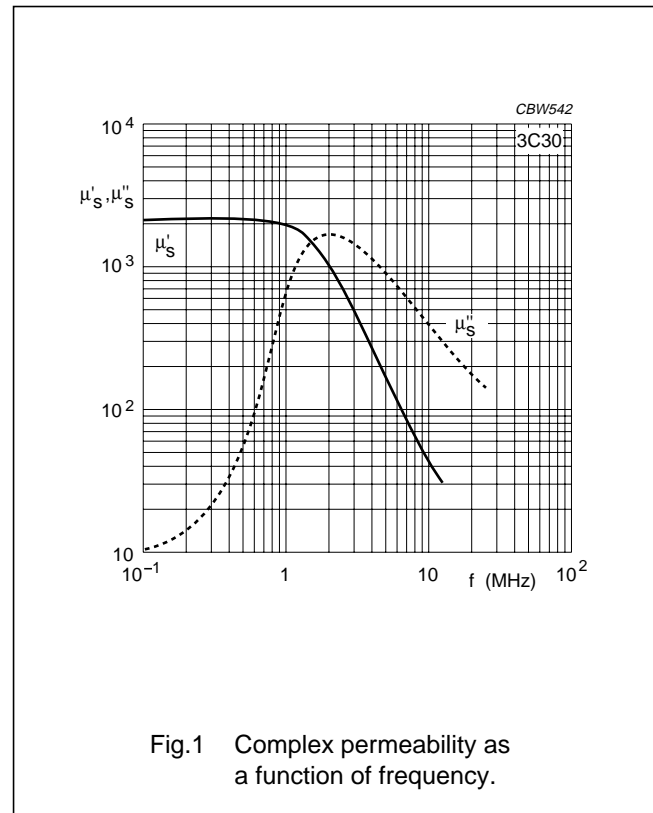
2000 Apr 20

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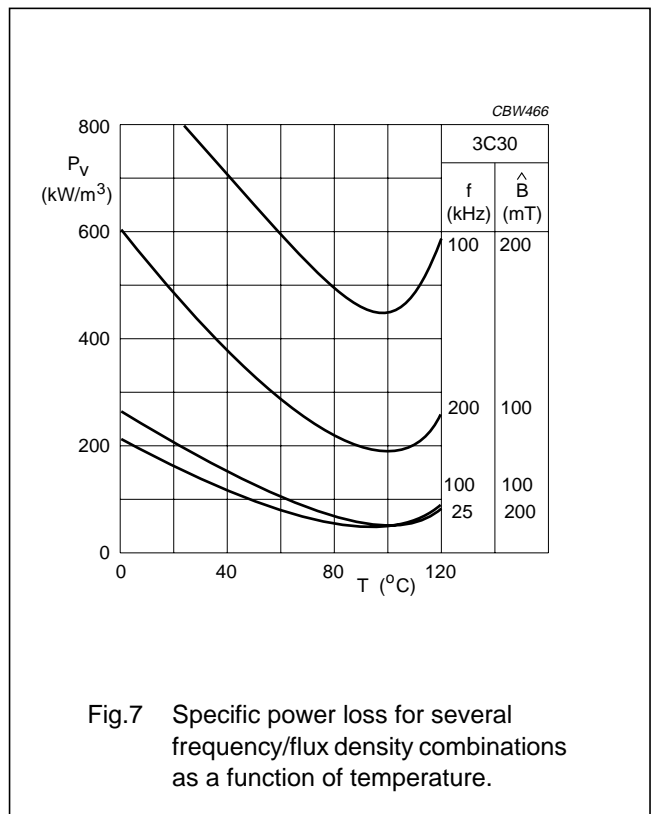
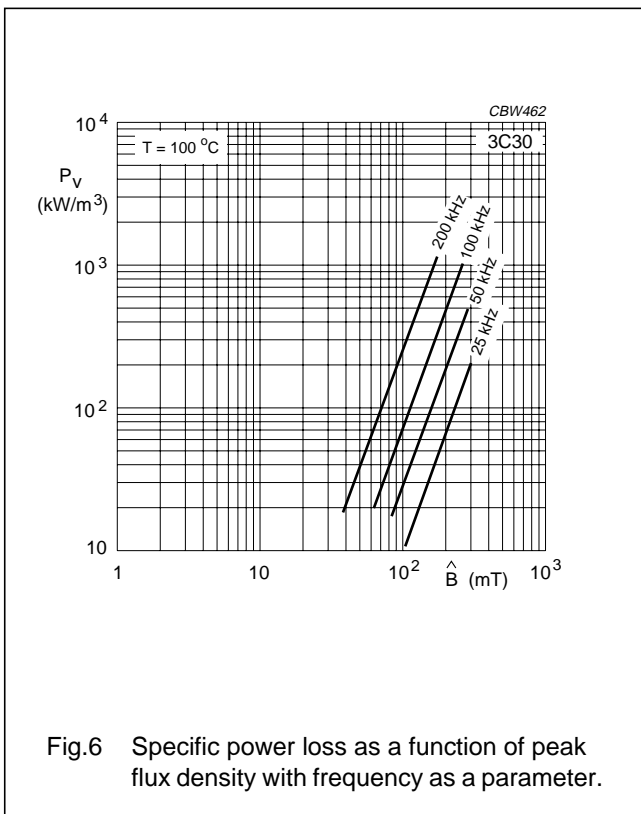
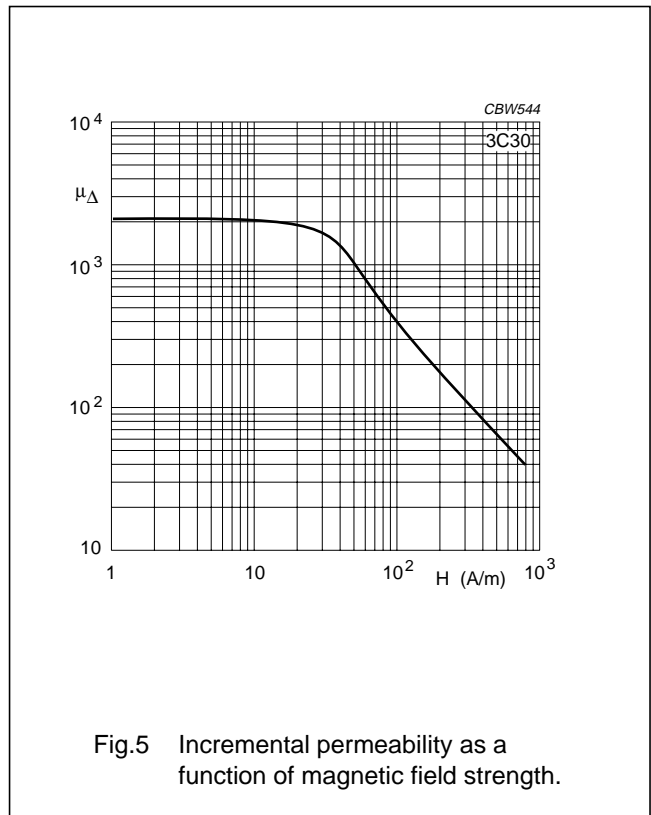
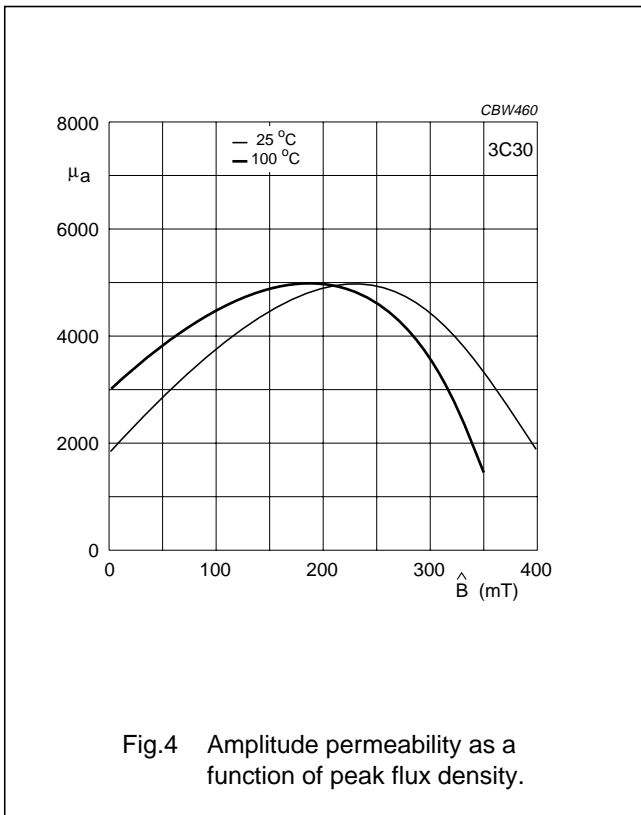
3C30 SPECIFICATIONS

SYMBOL	CONDITIONS	VALUE	UNIT
$\mu_i$	25 °C; $\leq 10$ kHz; 0.1 mT	2100 $\pm 20\%$	
$\mu_a$	100 °C; 25 kHz; 200 mT	5000 $\pm 25\%$	
B	100 °C; 10 kHz; 250 A/m	$\geq 370$	mT
$P_V$	100 °C; 25 kHz; 200 mT	$\leq 80$	kW/m <sup>3</sup>
	100 °C; 100 kHz; 100 mT	$\leq 80$	
	100 °C; 100 kHz; 200 mT	$\approx 450$	
$\rho$	DC; 25 °C	$\approx 2$	$\Omega\text{m}$
$T_C$		$\geq 240$	°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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