

# DATA SHEET

**3F35**

**Material grade specification**

Supersedes data of November 1997  
File under Discrete Ceramics, MA01

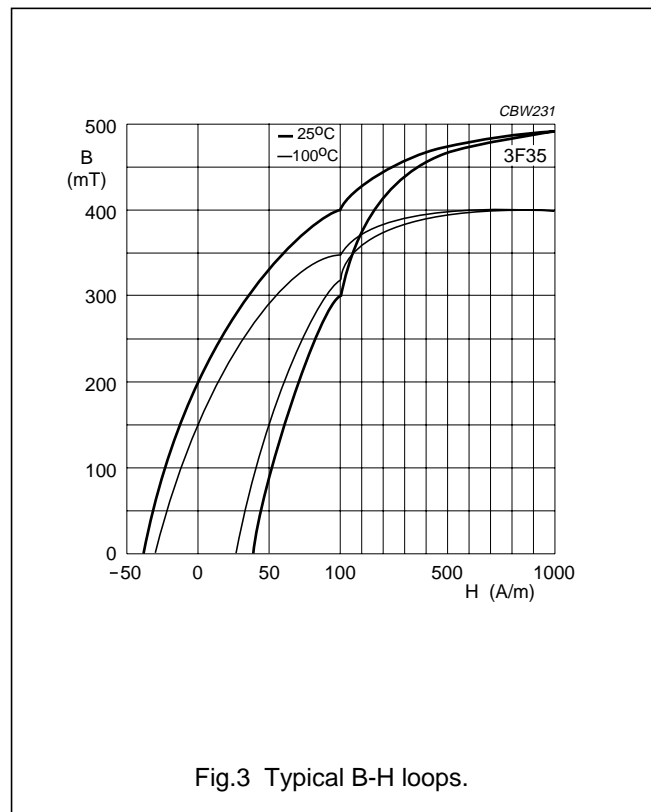
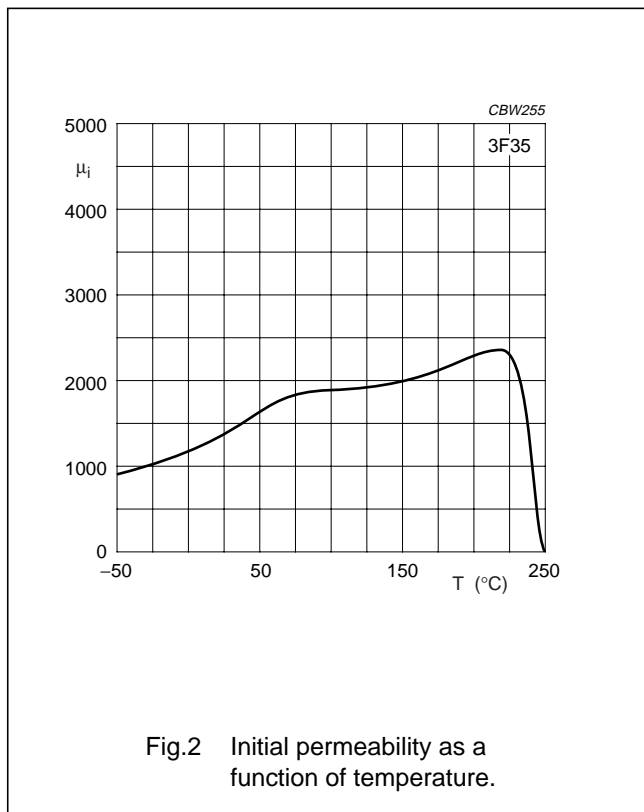
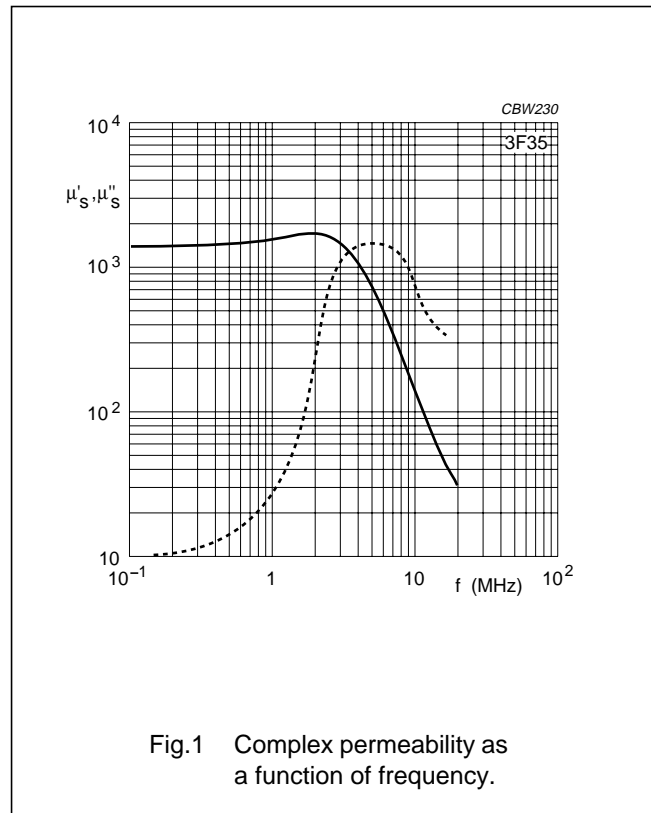
2000 Apr 20

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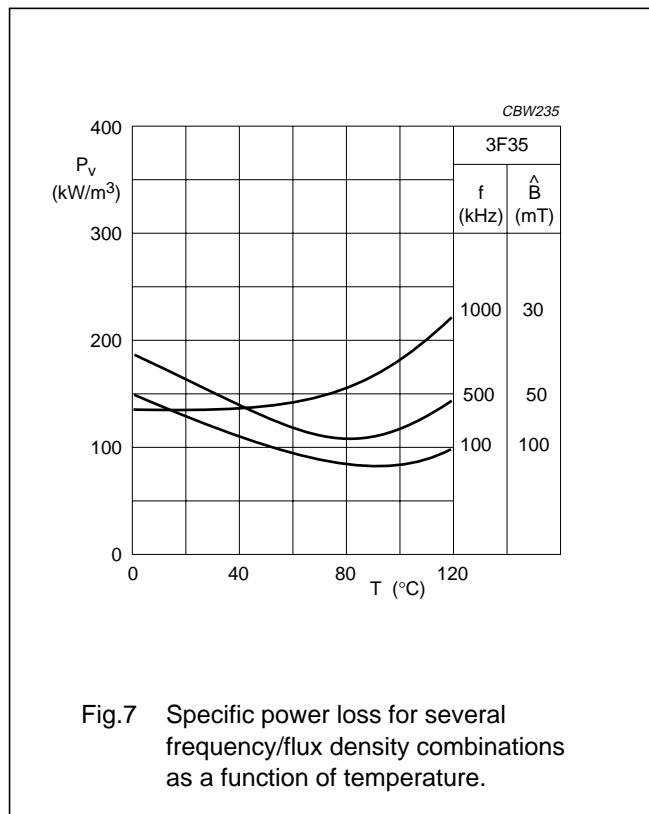
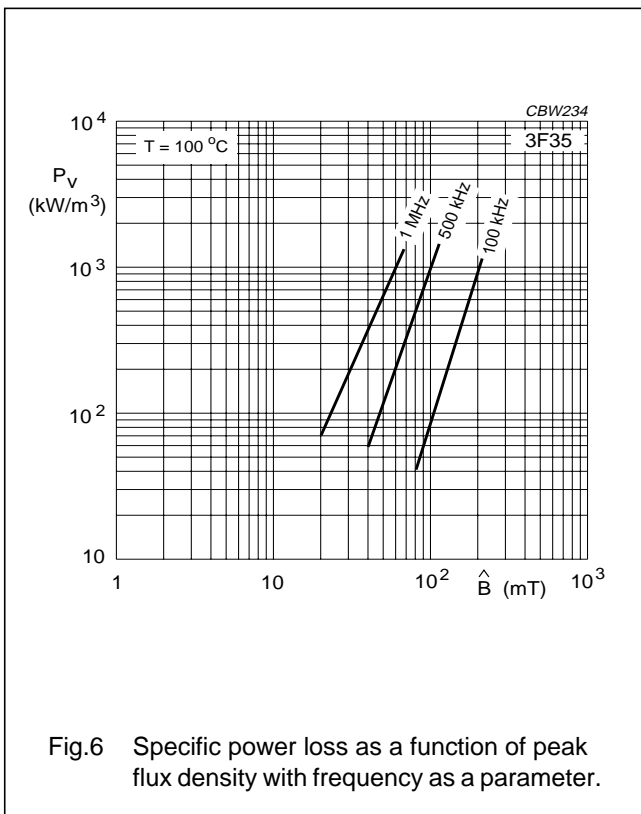
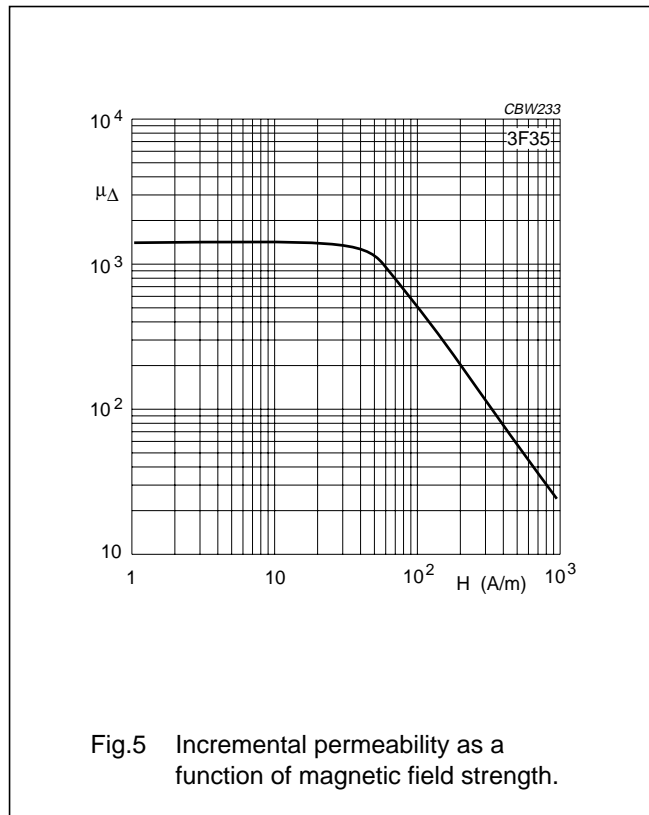
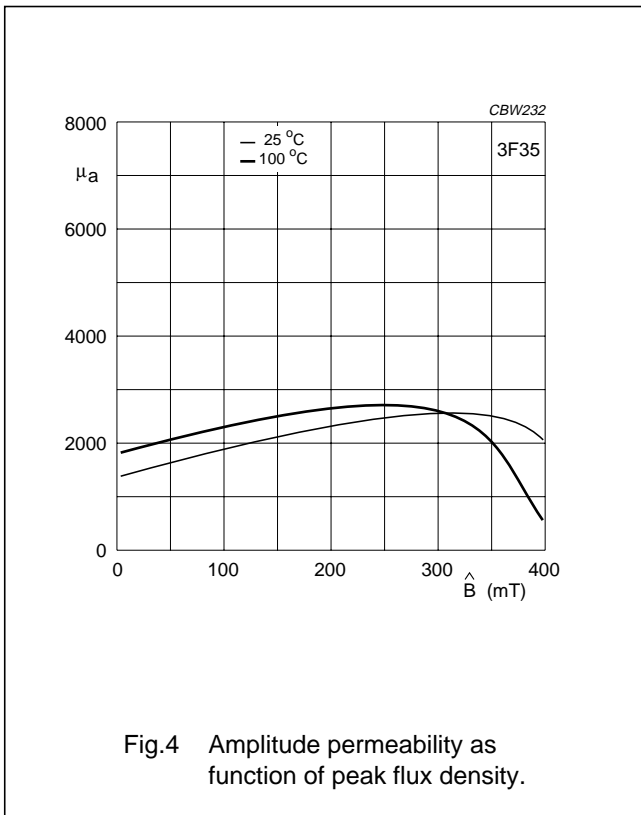
3F35 SPECIFICATIONS

SYMBOL	CONDITIONS	VALUE	UNIT
$\mu_i$	25 °C; $\leq 10$ kHz; 0.1 mT	1400 $\pm 20\%$	
$\mu_a$	100 °C; 25 kHz; 200 mT	$\approx 2500$	
B	25 °C; 10 kHz; 250 A/m	$\geq 400$	mT
	100 °C; 10 kHz; 250 A/m	$\geq 330$	
P	100 °C; 400 kHz; 50 mT	$\leq 80$	kW/m <sup>3</sup>
	100 °C; 500 kHz; 50 mT	$\leq 120$	
	100 °C; 500 kHz; 100 mT	$\approx 800$	
$\rho$	DC; 25 °C	$\approx 10$	$\Omega\text{m}$
$T_C$		$\geq 240$	°C
density		$\approx 4750$	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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