

DATA SHEET

3C94

Material grade specification

Supersedes data of November 1997
File under Ferrite Ceramics, MA01

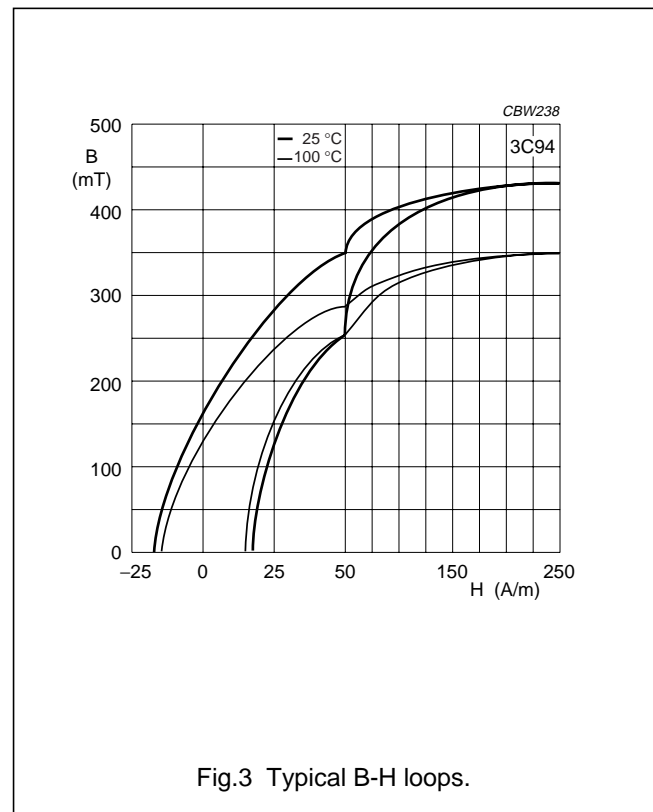
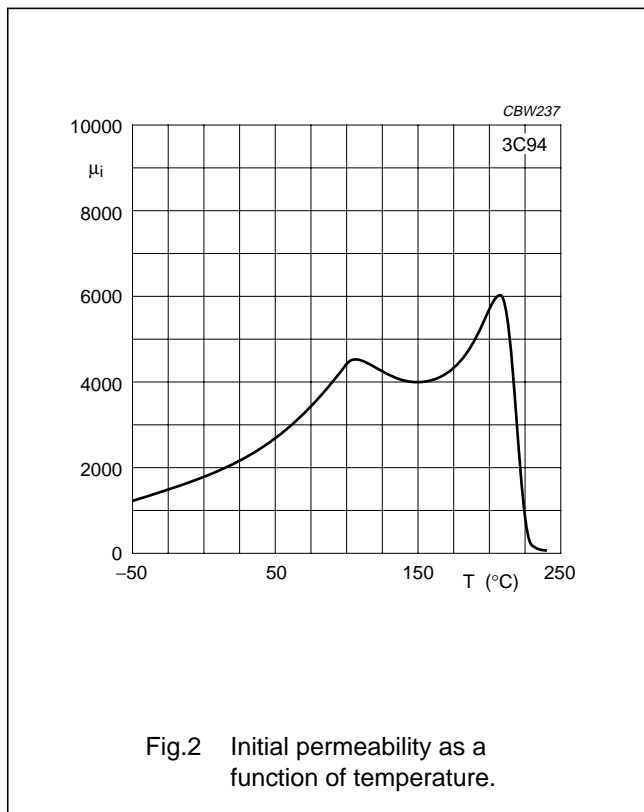
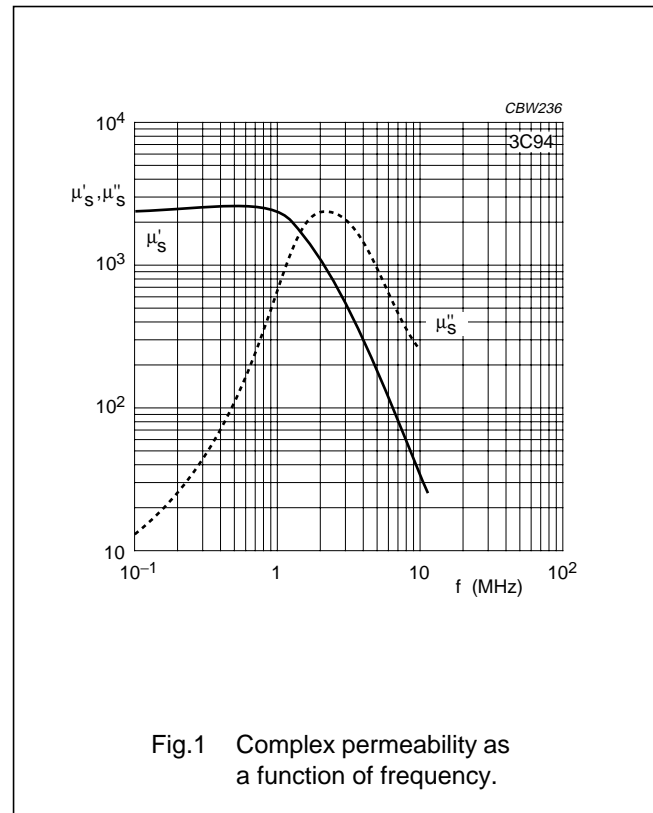
2000 Apr 20

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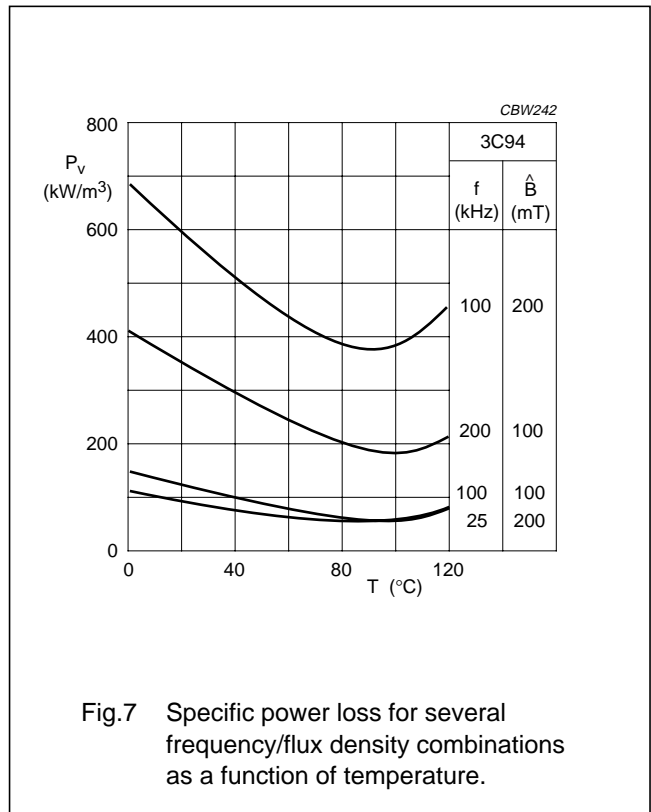
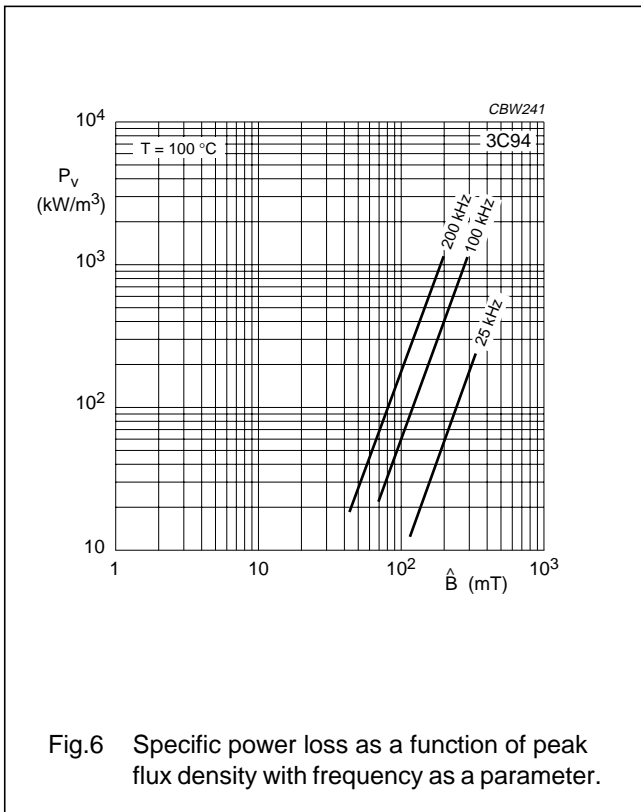
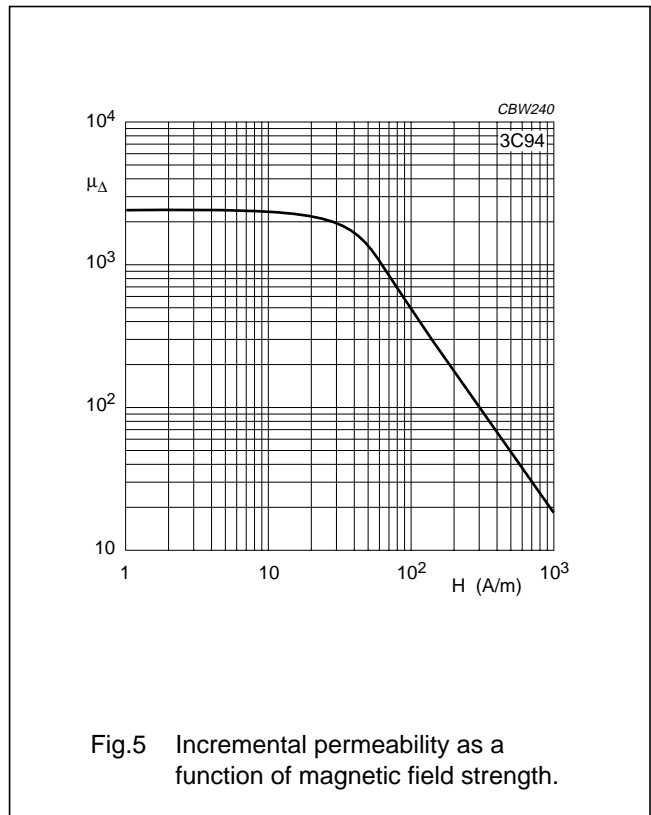
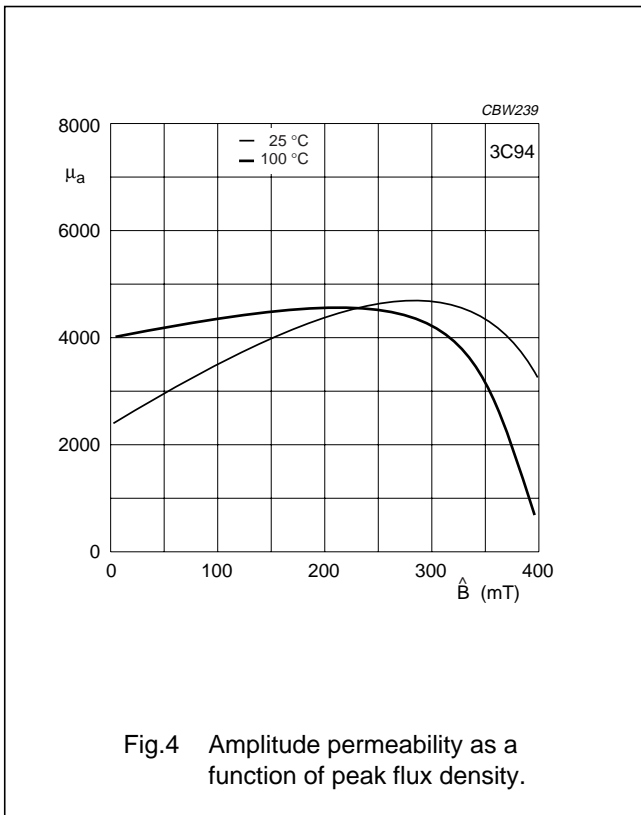
3C94 SPECIFICATIONS

SYMBOL	CONDITIONS	VALUE	UNIT
μ_i	25 °C; ≤ 10 kHz; 0.1 mT	2300 $\pm 20\%$	
μ_a	100 °C; 25 kHz; 200 mT	5500 $\pm 25\%$	
B	25 °C; 10 kHz; 250 A/m 100 °C; 10 kHz; 250 A/m	≥ 430 ≥ 340	mT
P_v	100 °C; 100 kHz; 100 mT 100 °C; 100 kHz; 200 mT	≤ 60 ≤ 400	kW/m ³
ρ	DC, 25 °C	≈ 5	Ωm
T_c		≥ 220	°C
density		≈ 4800	kg/m ³



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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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Preferred		These products are recommended for use in current designs and are available via our sales channels.
Support		These products are not recommended for new designs and may not be available through all of our sales channels. Customers are advised to check for availability.