FERRITE CERAMICS

DATA SHEET

3C15Material grade specification

Supersedes data of November 1997 File under Ferrite Ceramics, MA01

2000 Apr 20

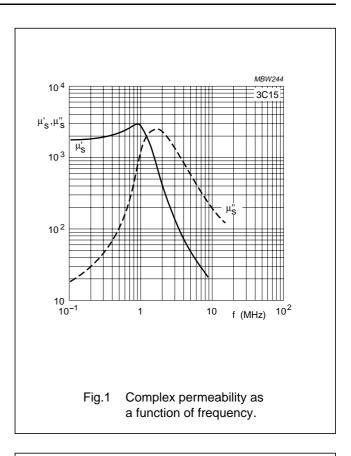


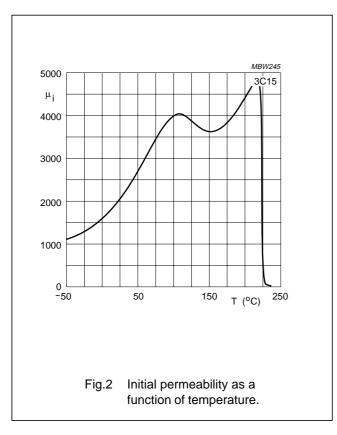


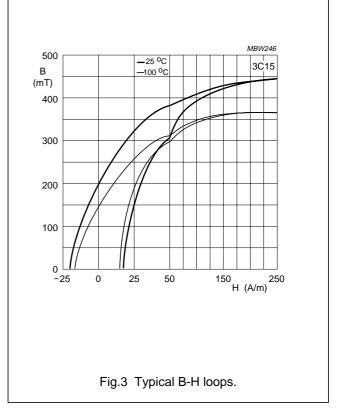
Material grade specification

3C15 SPECIFICATIONS

| SYMBOL | CONDITIONS | VALUE | UNIT |
|----------------|----------------------------|-----------|-------------------|
| μί | 25 °C; ≤10 kHz; 0.1 mT | 1800 ±20% | |
| μ _a | 100 °C; 25 kHz; 200 mT | 5500 ±25% | |
| В | 100 °C; 10 kHz; 250 A/m | ≥350 | mT |
| P _V | 100 °C; 25 kHz; 200 mT | ≤140 | kW/m ³ |
| | 100 °C; 100 kHz; 100 mT | ≤165 | |
| ρ | DC; 25 °C | ≈1 | Ωm |
| T _C | | ≥190 | °C |
| density | | ≈4800 | kg/m ³ |

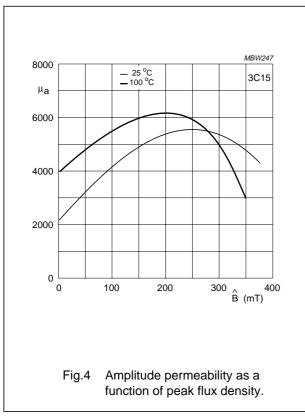


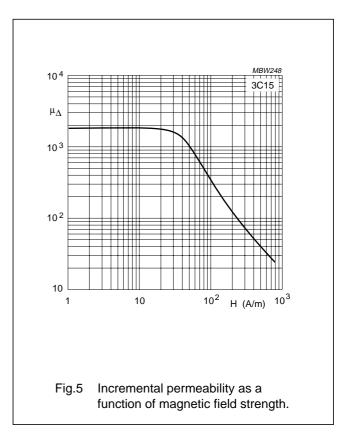


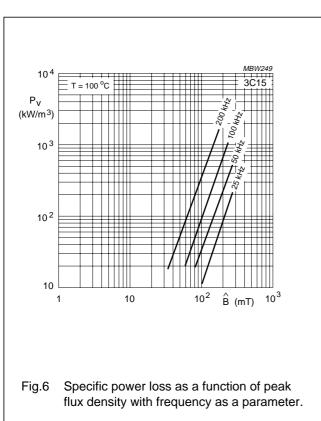


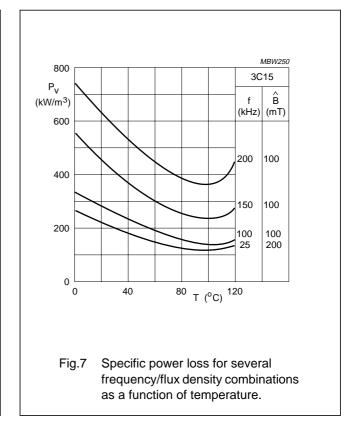
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Material grade specification









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Material grade specification

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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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PRODUCT STATUS DEFINITIONS

| STATUS | INDICATION | DEFINITION | |
|-----------|------------|--|--|
| Prototype | prot | These are products that have been made as development samples for the purposes of technical evaluation only. The data for these types is provisional and is subject to change. | |
| Design-in | des | These products are recommended for new designs. | |
| Preferred | | These products are recommended for use in current designs and are available via our sales channels. | |
| Support | sup | 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. | |

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