

| | |
|--------------|-------------|
| Company NAME | 000 "Ferro" |
| Item No: | EFD15 |

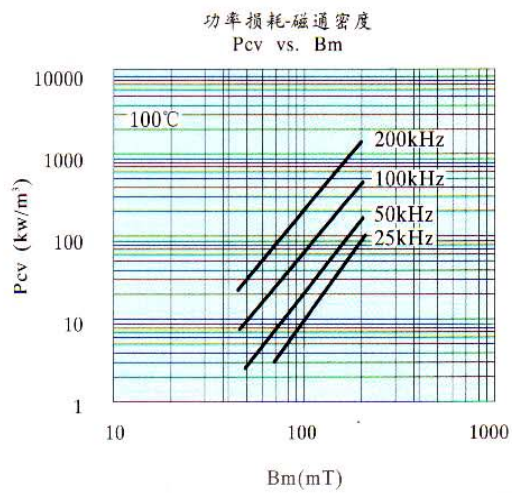
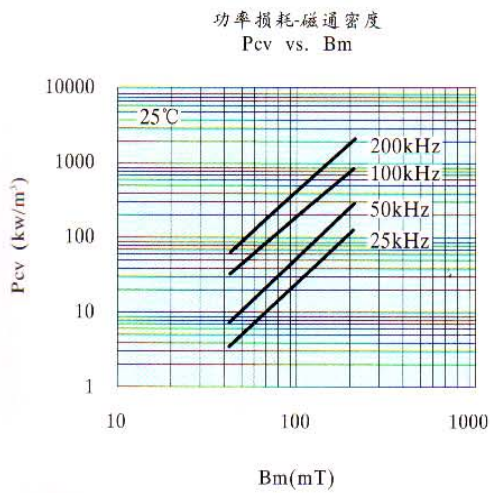
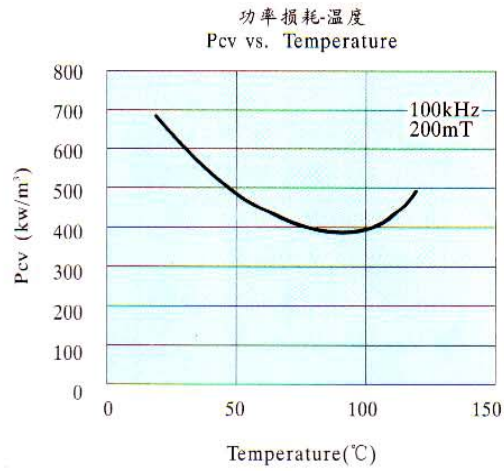
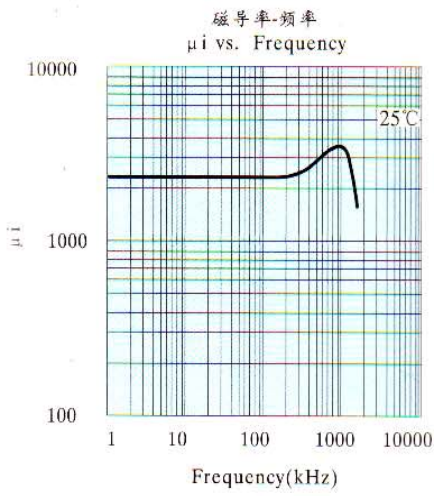
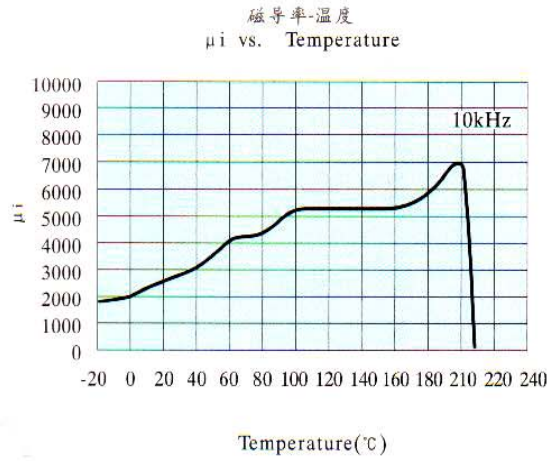
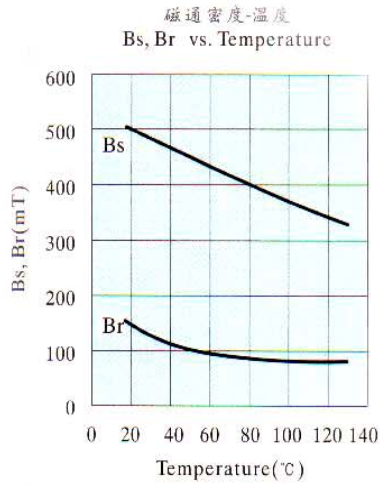
Table of Mn-Zn MATERIALS CHARACTERISTICS

| | Unit | Measuring Conditions | | PC40 |
|-----------------------------------|------------------|----------------------|--------|----------|
| Initial permeability μ_i | — | 1kHz | 23±3°C | 2300±25% |
| Core loss P_v | mW/cm^3 | 100kHz 200mT | 25°C | 600 |
| | | | 60°C | 450 |
| | | | 100°C | 410 |
| | | | 120°C | 480 |
| Saturation magnetic flux B_s | mT | 1194A/m | 25°C | 510 |
| | | | 60°C | 450 |
| | | | 100°C | 390 |
| | | | 120°C | 350 |
| Retentivity | mT | | 25°C | 95 |
| | | | 60°C | 65 |
| | | | 100°C | 55 |
| | | | 120°C | 50 |
| Coercivity | A/m | | 25°C | 14.3 |
| | | | 60°C | 10.3 |
| | | | 100°C | 8.8 |
| | | | 120°C | 8 |
| Cuire Temperature T_c | °C | | | >215 |
| Resistivity P | $\Omega \cdot m$ | | | 6.5 |
| Apparent density d | g/cm^3 | | | 4.8 |

1mt=10guass, 1A/m=0.012566Oersted

CURVES OF Mn-Zn MATERIALS CHARACTERISTICS

PC40

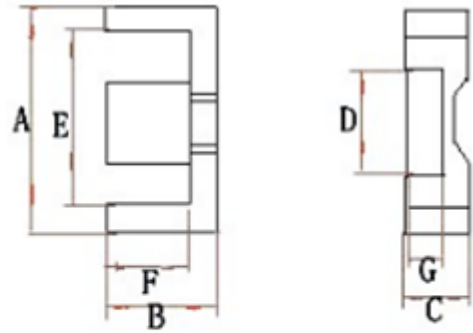


SPECIFICATION

1. MATERIAL: PC40

2. DIMENSION (mm)

| | |
|---|-----------|
| A | 15.0±0.35 |
| B | 7.50±0.20 |
| C | 4.65±0.15 |
| D | 5.30±0.20 |
| E | 11.0±0.30 |
| F | 5.60±0.20 |
| G | 2.30±0.15 |



3. CORE SET PARAMETER

| | |
|-------------------------|-----------------------------|
| Core constant | C_1 2.27 mm ⁻¹ |
| Effective core length | L_e 34.0 mm |
| Effective cross section | A_e 15.0 mm ² |
| Effective volume | V_e 510 mm ³ |
| weight | W_g 2.8 g/Pair |

4. ELECTRICAL CHARACTERISTICS

4.1 INDUCTANCE

AL-VALUE 900(nH/N*N)±25%

Test Conditions 1KHz 0.25V 100Ts 25±3°C

4.2 POWER LOSS: $P_c \leq 650$ (mW/cm³)

4.3 Test Condition: 100kHz 200mT 20Ts 80~100°C

| | | | | |
|--|----------|--------------|---------|-----|
| | Item No | EFD15 | | |
| | Name | Ferrite Core | | |
| | Revision | A1 | Page No | 4/5 |

4.3 TEST INSTRUMENTATION

For INSUCTANCE: LCR Databridge 2810

For POWER consumption: GHY/5

5. Maximum chip off

5.1 The depth of crack in the ground surface should be no more than 1/4,length is no more than 1/4,length of lengthen line in the non-ground surface, the depth should be no more than 1/3,length is no more than 1/3 length of lengthen line.

5.2 The total chip square should be no more than 3.0 mm², quantity should be no more than 3.In the non-ground surface,the total chip square should be no more than 6.0 mm², and quantity should be no more than 4

6. Inspection Method

According to GB2828.1-2003,one time normal random sampling,Inspect level II ,

AQL should be as follows:

| | AQL | Inspect Item |
|---|------|--------------------------|
| A | 0.65 | Electromagnetic Property |
| B | 1.0 | Outside Size |
| C | 1.5 | Outside Quality |

7. Packing

Formed plastic box is used to inside packing, paper box is used to outside packing, each package's right or left side shows product model and ROHS certificate

| | | | | |
|--|----------|--------------|---------|-----|
| | Item No | EFD15 | | |
| | Name | Ferrite Core | | |
| | Revision | A1 | Page No | 5/5 |