



ISDN transformers

U_{K0} interface, 4B3T
RM 6, 7.7 mH, 1.32:1.32:1:1

Series/Type: B78386P1127A005

Date: October 2008

Applications

- Use in NT and local central office
- Matched to the ICs
Infineon PSB 8090, 20902, 24901, 24902;
AMD AM20902;
Mietec 2072

Features

- Complies with CCITT G.961
- Remote power feeding to NT
- RoHS-compatible

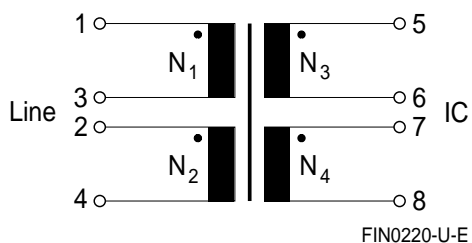
Marking

- Manufacturer, middle block of ordering code, date code

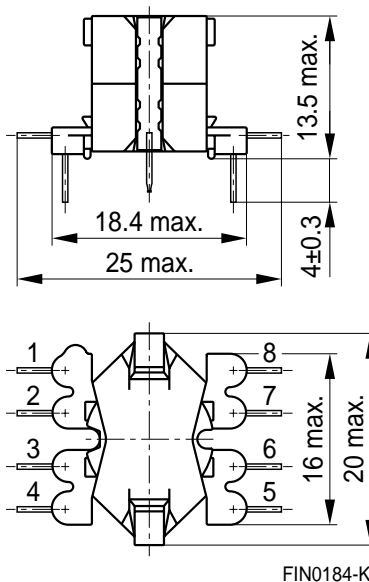
Delivery mode and packing unit

- Polyfoam tray
- Packing unit: 280 pcs.

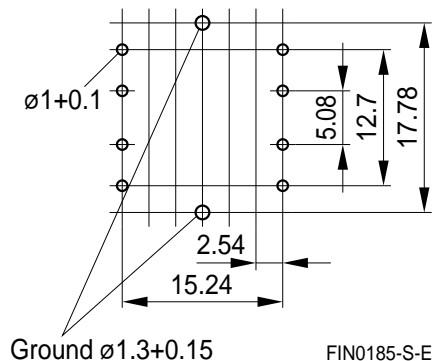
Pinning



Dimensional drawing



Recommended hole arrangement (view in mounting direction)



Dimensions in mm

Technical data and measuring conditions

| | |
|--|---|
| Main inductance L (1-4) | 10 kHz, 100 mV, short 2-3 |
| Stray inductance L _{stray} (1-4) | 10 kHz, 100 mV, short 2-3, 6-7, 5-8 |
| Interwinding capacitance C _i (5-1) | 100 kHz, 100 mV, short 2-3, 6-7 |
| Resistance R _{DC (Line)} ; R _{DC (IC)} | R _{DC (Line)} : short 2-3; R _{DC (IC)} : short 6-7 |
| Test voltage V _{test} | 50 Hz, 1 s; N ₁ , N ₂ against N ₃ , N ₄ |
| DC current I _{DC} | With I _{DC} bias L drops < 5% |
| Transmission code | 4B3T |
| Operating temperature range | -25 °C ... +85 °C |
| Weight | Approx. 8 g |

Characteristics and ordering code

(electrical specifications at 25 °C)

| | | |
|---|---------------------|------|
| Ordering code | B78386P1127A005 | |
| Type/Core | RM 6 | |
| N ₁ : N ₂ : N ₃ : N ₄ | 1.32 : 1.32 : 1 : 1 | |
| L | 7.7 ± 10 % | mH |
| L _{stray} (typ.) | 40 | μH |
| C _i (typ.) | 45 | pF |
| R _{DC (Line)} (typ.) | 3.8 | Ω |
| R _{DC (IC)} (typ.) | 3.8 | Ω |
| V _{test} | 2500 | V AC |
| I _{DC} (typ.) | 60 | mA |

Cautions and warnings

- Please note the recommendations in our Inductors data book (latest edition) and in the data sheets.
 - Particular attention should be paid to the derating curves given there.
 - The soldering conditions should also be observed. Temperatures quoted in relation to wave soldering refer to the pin, not the housing.
- If the components are to be washed varnished it is necessary to check whether the washing varnish agent that is used has a negative effect on the wire insulation, any plastics that are used, or on glued joints. In particular, it is possible for washing varnish agent residues to have a negative effect in the long-term on wire insulation.
- The following points must be observed if the components are potted in customer applications:
 - Many potting materials shrink as they harden. They therefore exert a pressure on the plastic housing or core. This pressure can have a deleterious effect on electrical properties, and in extreme cases can damage the core or plastic housing mechanically.
 - It is necessary to check whether the potting material used attacks or destroys the wire insulation, plastics or glue.
 - The effect of the potting material can change the high-frequency behaviour of the components.
- Ferrites are sensitive to direct impact. This can cause the core material to flake, or lead to breakage of the core.
- Even for customer-specific products, conclusive validation of the component in the circuit can only be carried out by the customer.

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