



ISDN transformers

S₀ interface
R 10, > 30 mH, 2:2:1:1

Series/Type: **B78510P6622A005**

Date: October 2008

Applications

- Use in TE and NT/PBX
- Matched to the ICs
Infineon PEB/PSB 8090, 8091/8191,
2080 ... 2086, 2115, 2186;
AMD A79C30A, 79C32A;
Mietec MTC2072, 20276

Features

- To EN 60950, reinforced insulation, transient stability 10 kV, 10/700 μs
- RoHS-compatible

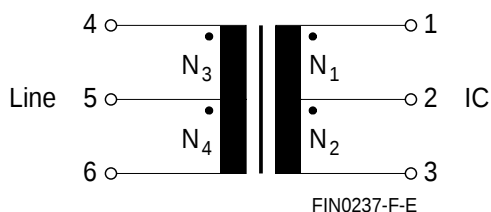
Marking

- Manufacturer, middle block of ordering code, date code

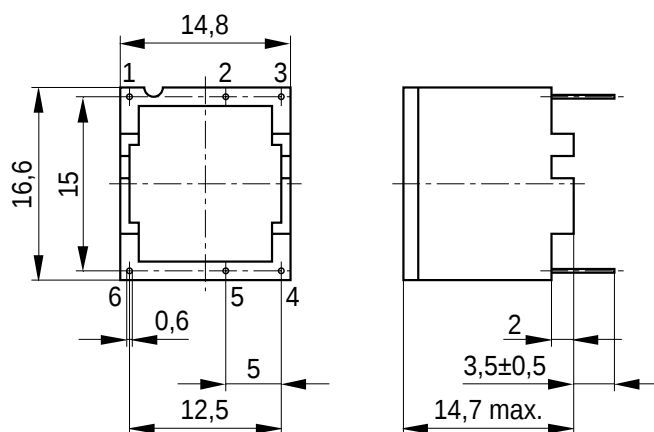
Delivery mode and packing unit

- Polyfoam tray
- Packing unit: 500 pcs.

Pinning



Dimensional drawing



FIN0236-X

Technical data and measuring conditions

Main inductance L (4-6)	10 kHz, 100 mV
Stray inductance L _{stray} (4-6)	100 kHz, 100 mV short 1-3
Interwinding capacitance C _i (1-4)	10 kHz, 100 mV
Test voltage V _{test}	50 Hz, 1 s; N ₁ , N ₂ against N ₃ , N ₄
Operating temperature range	−40 °C ... +85 °C
Weight	Approx. 5 g

Characteristics and ordering code

(electrical specifications at 25 °C)

Ordering code	B78510P6622A005	
Type/Core	R 10	
N ₁ : N ₂ : N ₃ : N ₄	2 : 2 : 1 : 1	
L	> 30	mH
L _{stray} (typ.)	10 ±50%	μH
C _i (max.)	45	pF
R _{DC (Line)} (typ.)	2.4	Ω
R _{DC (IC)} (typ.)	3.0	Ω
V _{test}	3000	V AC
ΔI _{DC} (max.)	5	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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