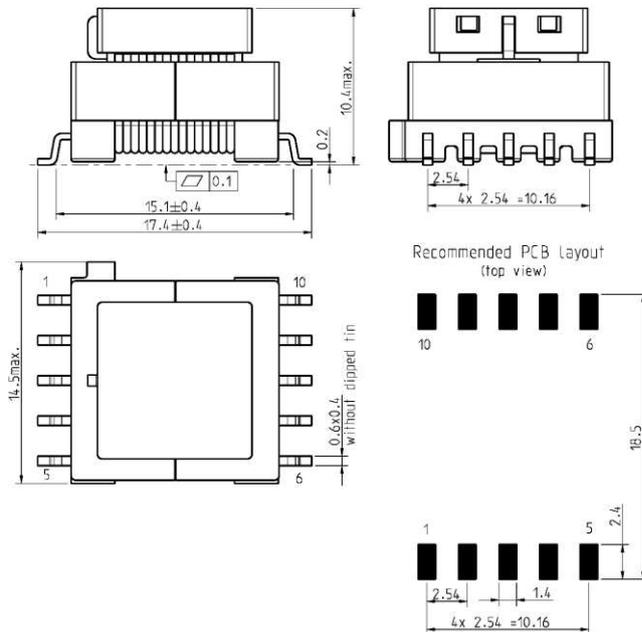
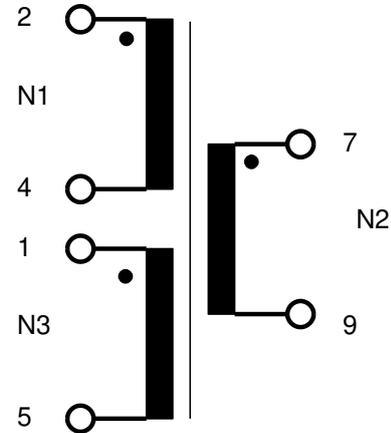


**Dimensions [mm]:** (all dimensions without tolerances are typical values)



**Schematics:**



**Marking:**

pin 1 marker  
 EPCOS  
 middle block of ordering code  
 date code / production place (1 letter)

**Electrical Characteristics:** (specified @25°C if not mentioned otherwise) \* typical value  
 All values without tolerances are typical values !

|                      |              |                               |
|----------------------|--------------|-------------------------------|
| Inductance: L(7 - 9) | 900µH +/-30% | 10mV; 10kHz                   |
| N1 : N2 : N3         | 1 : 2 : 1    | voltage methode               |
| HV: N1, N3 - N2      | 2000V        | 50Hz; 1s                      |
| Rdc (2 - 4)          | 0.8 Ohm      | typical                       |
| Rdc (1 - 5)          | 1 Ohm        | typical                       |
| Rdc (7 - 9)          | 1.7 Ohm      | typical                       |
| DC Bias L(7-9)       | 550µH typ.   | I dc = 200mA; 10mV; 10kHz     |
| LL(7-9)              | 3.5µH typ.   | short(1,2,4,5); 100mV; 100kHz |
| CC(1,2 - 7)          | 40pF typ.    | 1V; 100kHz                    |

**Packaging:**

Blister tape

**Materials:**

Core: Ferrite  
 Bobbin: 10 pins SMD

**Deviations to Customer Specification**

Design based on E13/7/4 standard ferrite core  
 Functional insulation

**Operating Temperature Range:** -40 .. 85°C

## Cautions and warnings

- Additional information is contained in our data books, which are also available on the internet. Particular attention should be paid to the derating curves given there. The soldering conditions given there should also be observed. Temperatures quoted in relation to wave soldering refer to the pin, not to the housing.
  
- If the components are to be washed varnished, it is necessary to check whether any 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. Washing processes may damage the product due to the possible static or cyclic mechanical loads (e.g. ultrasonic cleaning). They may cause cracks to develop on the product and its parts, which might lead to reduced reliability or lifetime.
  
- 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.

## Display of ordering codes for TDK Electronics products

The ordering code for one and the same product can be represented differently in data sheets, data books, other publications, on the company website, or in order-related documents such as shipping notes, order confirmations and product labels. The varying representations of the ordering codes are due to different processes employed and do not affect the specifications of the respective products. Detailed information can be found on the Internet under [www.tdk-electronics.tdk.com/orderingcodes](http://www.tdk-electronics.tdk.com/orderingcodes).

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