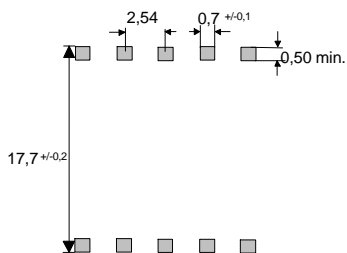


Dimensions in mm

Weight: 6,4 grams

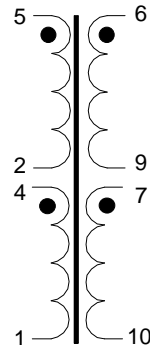


Terminal dimensions at soldering point.

# RT 1624

DATA SHEET

## LINE TRANSFORMER EP13-SMD



**Features:**

Turns Ratio = 0,7:0,7:1:1  
Ins.loss : 1,5dB Max. 100KHz  
100mA DC bias

**Applications:**

SHDSL -Line transformer

**Electrical Characteristics: (acc. to IEC 1007)**

| Parameter           | Terminals    | Min  | Nom  | Max | Unit | Conditions                      |
|---------------------|--------------|------|------|-----|------|---------------------------------|
| Inductance          | 5-1          | 2,96 | 3,18 | 3,4 | mH   | 10KHz 100mV 2+4                 |
| Inductance          | 5-1          | 2,96 | 3,18 | 3,4 | mH   | 10KHz 100mV 2+4 100mA DC        |
| Leakage Inductance  | 5-1          |      |      | 75  | uH   | 100KHz 100mV 2+4, 7+9, 10+6     |
| Turns Ratio         | (5-1)/(6-10) |      | 0,7  |     |      | 100KHz 100mV 2+4, 9+7           |
| DC Resistance       | 5-2          |      |      | 8   | Ohm  |                                 |
| DC Resistance       | 4-1          |      |      | 8   | Ohm  |                                 |
| DC Resistance       | 6-9          |      |      | 26  | Ohm  |                                 |
| DC Resistance       | 7-10         |      |      | 26  | Ohm  |                                 |
| Dielectric Strength | 5+4-> 6+7    | 1500 |      |     | V    | 50Hz 1min. 2+4, 9+7             |
| Dielectric Strength | 5 -> 4       | 600  |      |     | V    | 50Hz 1min.                      |
| Linearity (THD)     | 6-10         |      |      | -82 | dB   | 2V 5KHz Rs=135 ohm RI=275,5 ohm |

**Related Standards:**

UL1950, EN60950

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