

Cost optimized pulse transformer for THT mounting, up to 2W



### Description

- High insulation rating (>2.2 kVAC) between the primary and the secondary windings
- Small coupling capacitances between primary and secondary windings limit transient feedback from the power supply side to the control electronics
- Cost optimized design
- The defined partial discharge voltage guarantees an effectively unlimited serviceable life

### Standards

- VDE 110b

### Applications

- Galvanic separation of drive- and power-circuit
- Mainly used in ignition circuits with Thyristors, Triacs, power transistors and IGBT's
- DC/DC converters
- Line coupling transformers in high speed data transmission

### Weblinks

[pdf-datasheet](#), [html-datasheet](#), [General Product Information](#), [Approvals](#), [RoHS](#), [CHINA-RoHS](#), [e-Shop](#), [SCHURTER-Stock-Check](#), [Distributor-Stock-Check](#), [Detailed request for product](#)

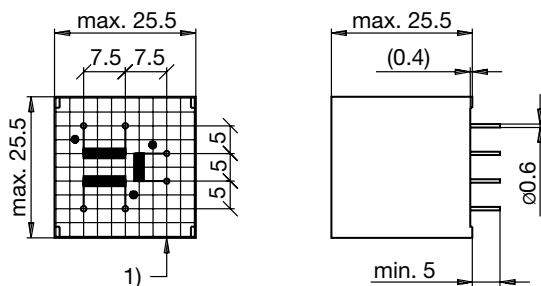
### Technical Data

|                       |               |
|-----------------------|---------------|
| Rated voltage         | up to 500 VAC |
| Voltage Time Integral | 500 Vμs       |
| Pulse Rise Time       | 0.7 - 0.8 μs  |
| Turns Ratio           | 1:1:1, 3:1:1  |
| Terminal technic      | THT           |
| Weight                | 34 g          |
| Material: Housing     | UL 94V-0      |
| Sealing Compound      | UL 94V-0      |

|                           |                               |
|---------------------------|-------------------------------|
| Climatic Category         | 25/100/21 acc. to IEC 60068-1 |
| Allowable Operation Temp. | -25 °C to 70 °C               |

### Dimensions

Case 13-8



1) Prim.

### Variants

| Turns Ratio | $T_r$ [μs] | $I_{ign}$ [A] | $U_{VAC}$ [V] | $U_{isol}$ [kV] | $U_s \times T_w$ [Vμs] | $L_s$ [mH] | $R_p$ [Ω] | $R_s$ [Ω] | $C_c$ [pF] | $P_m$ [W] | Weight [g] | Packing unit [pcs.] | Housing | Order Number |
|-------------|------------|---------------|---------------|-----------------|------------------------|------------|-----------|-----------|------------|-----------|------------|---------------------|---------|--------------|
| 1:1:1       | 0.8        | 1.0           | 380           | 2.5             | 500                    | 3.0        | 0.3       | 0.3       | 40         | 2.0       | 34         | 60                  | 13-8    | IX-30-0001   |
| 3:1:1       | 0.7        | 1.0           | 380           | 2.5             | 500                    | 50.0       | 1.5       | 0.5       | 35         | 2.0       | 34         | 60                  | 13-8    | IX-30-0002   |