

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, CE declaration of conformity, RoHS, CHINA-RoHS, e-Shop, SCHURTER-Stock-Check, Distributor-Stock-Check, Detailed request for product

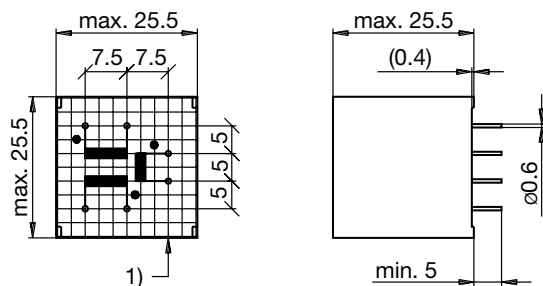
Technical Data

| | |
|-----------------------|-------------------|
| Rated voltage | up to 500 VAC |
| Voltage Time Integral | 500 V μ s |
| Pulse Rise Time | 0.7 - 0.8 μ s |
| 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 [μ s] | I_{ign} [A] | U_{VAC} [V] | U_{isol} [kV] | $U_s \times T_w$ [V μ s] | 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 g | 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 g | 60 | 13-8 | IX-30-0002 |