

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

### References

[General Product Information](#)

### Weblinks

[Approvals](#), [RoHS](#), [CHINA-RoHS](#), [e-Store](#), [Distributor-Stock-Check](#)

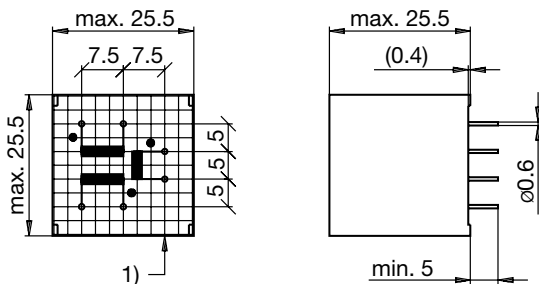
### Technical Data

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

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

### Dimensions

Case 13-8



1) Prim.

### Variants

Turns Ratio	$T_r$ [ $\mu$ s]	$I_{ign}$ [A]	$U_{VAC}$ [V]	$U_{isol}$ [kV]	$U_s \times T_{rv}$ [V $\mu$ s]	$L_s$ [mH]	$R_p$ [ $\Omega$ ]	$R_s$ [ $\Omega$ ]	$C_c$ [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