

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

Weblinks

[pdf](#), [html](#), [General Product Information](#), [Approvals](#), [RoHS](#), [CHINA-RoHS](#), [e-Store](#), [SCHURTER-Stock-Check](#), [Distributor-Stock-Check](#)

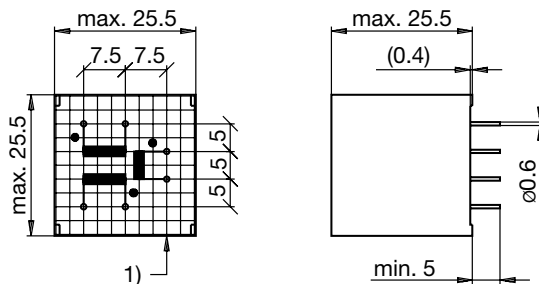
Technical Data

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	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