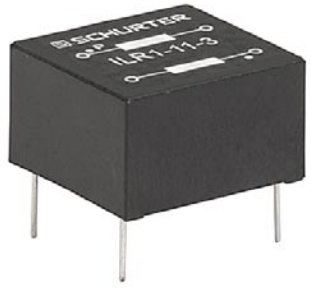
Cost optimized pulse transformers for THT mounting, short rise time



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 effecively unlimited serviceable live

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, SCHURTER-Stock-Check, Distributor-Stock-Check

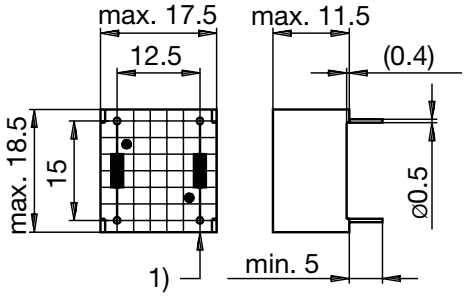
Technical Data

Rated Voltage	up to 500 VAC
Voltage-time Integral Us x Tw	150 - 300 Vµs
Pulse Rise Time	0.1 - 0.3 µs
Turn Ratio	1:1, 2:1, 3:1, 1:1:1
Terminal technic	THT
Weight	7 g
Material: Housing	Plastics
Sealing Compound	UL 94V-0

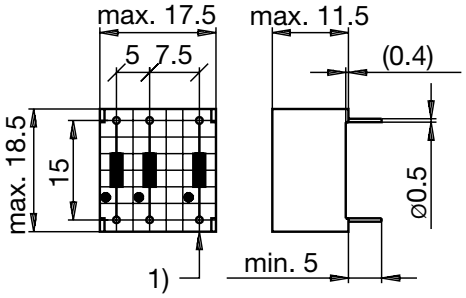
Climatic Category	25/100/21 acc. to IEC 60068-1
Allowable Operation Temp.	-25 °C to 100 °C

Dimensions

Case 05-7



Case 05-8



1) Prim.

Variants

Distributor-Stock-Check | SCHURTER-Stock-Check | e-Store

Turn Ratio	T_r [µs]	I_{ign} [A]	U_{VAC} [V]	U_{isol} [kV]	U_s x T_w [Vµs]	L_s [mH]	R_P [Ω]	R_S [Ω]	C_C [pF]	P_m [W]	Weight [g]	Packing unit [pcs.]	Case	Order Number
1:1	0.2	1.0	500	3.2	300	2.5	0.7	0.7	60	0.5	7	50	05-7	ILR-11-0001
1:1:1	0.1	0.25	500	3.2	150	0.5	0.3	0.3	30	0.5	7	50	05-8	ILR-10-0001
2:1	0.3	1.0	500	3.2	200	2.5	1	0.3	50	0.5	7	50	05-7	ILR-11-0002
3:1	0.3	1.0	500	3.2	200	5.0	1.2	0.3	40	0.5	7	50	05-7	ILR-11-0003