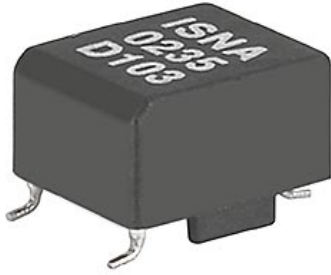


Pulse transformers for SMD mounting



**Description**

- High insulation rating (>3.2 kVAC) between the primary and the secondary windings
- High insulation rating up to 500V between the secondary windings
- Small coupling capacitances between primary and secondary windings limit transient feedback from the power supply side to the control electronics
- 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**

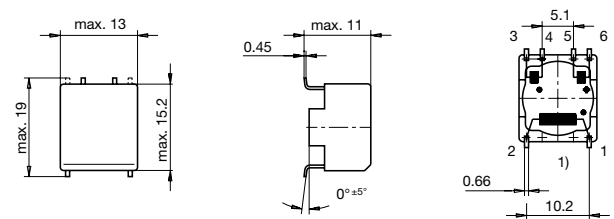
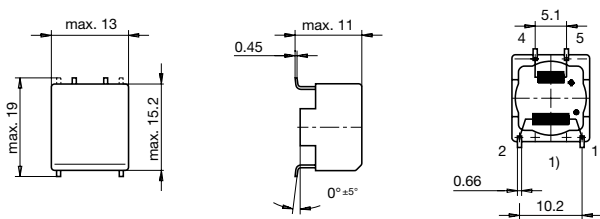
Rated voltage	up to 600 VAC
Voltage Time Integral	150 - 400 Vμs
Pulse Rise Time	0.05 - 1.5 μs
Turns Ratio	1:1, 2:1, 1:1:1
Terminal technic	SMD
Weight	3 - 10g
Material: Housing	UL 94V-0
Sealing Compound	UL 94V-0

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

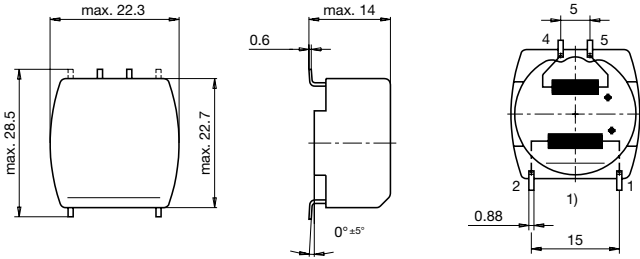
**Dimensions**

Case 35-3S

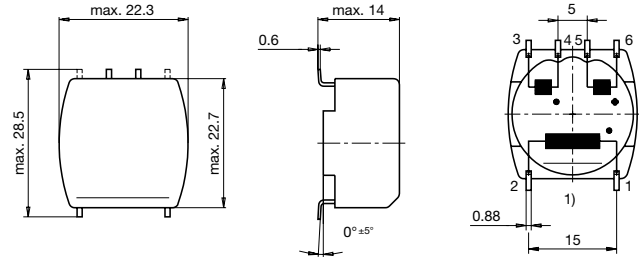
Case 35-4S



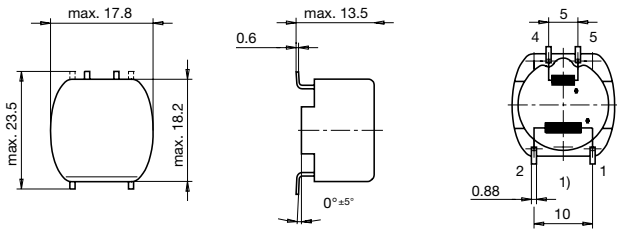
Case 39-3S



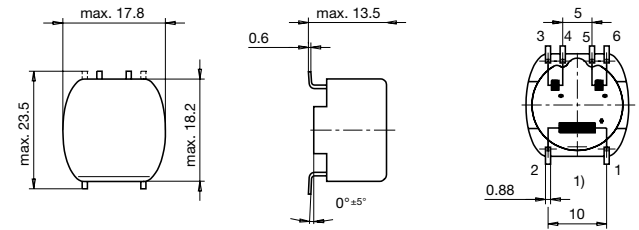
Case 39-4S



Case 49-3S

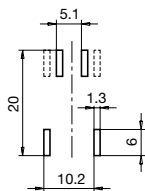


Case 49-4S



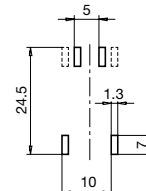
1) Prim.

Possible solder land pattern for SMD mounting  
Case 35S

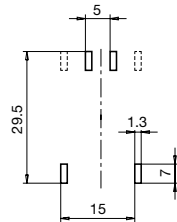


1) Prim.

Possible solder land pattern for SMD mounting  
Case 49S



Possible solder land pattern for SMD mounting  
Case 39S



### Variants

Turns Ratio	$T_r$ [ $\mu$ s]	$I_{ign}$ [A]	$U_{isol}$ [kV]	$U_s \times T_w$ [ $\mu$ s]	$L_s$ [mH]	$R_p$ [ $\Omega$ ]	$R_s$ [ $\Omega$ ]	$C_C$ [pF]	Weight [g]	Packing unit [pcs.]	Housing	Order Number
1:1	0.9	0.1	3.5	200	2.8	1	1	20	3	480	35-3S	ISNA-0235-D103
1:1	1	0.17	3.5	400	2.2	0.4	0.4	20	10	28	39-3S	ISNA-0239-D202
1:1	1	0.1	3.5	300	3.5	0.7	0.7	20	6	45	49-3S	ISNA-0249-D104