

GATE DRIVE PULSE TRANSFORMERS

TX12XX SERIES

FEATURES:

- ROHS compliant
- UL94V-0 Package Material
- Isolation to 4Kvrms
- Compact Footprint
- PCB Mounting
- Backward compatible with Sn/PB Soldering systems.

OPTIONS:

- Bulk packaging is standard
- Custom design available

COMMON APPLICATIONS:

- Signal isolatin and use in small isolated power supplies.
- Gate drive circuit
- Power supplies
- Frequency converters
- Switching applicatins
- DC/DC converters
- Line coupling transformers in high-speed data transmission

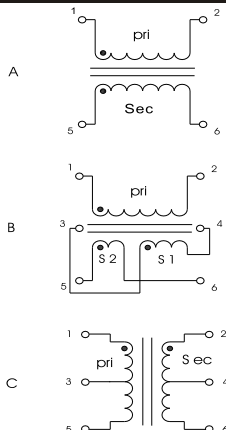
ELECTRICAL CHARACTERISTICS

Part NO	Turns Ratio $\pm 2\%$	Min. Primary Inductance (MH)	Min. Primary constant, Er (Vus)	Min Leakage Indctance (Uh)	Max. Interwinding capacitance (PF)	Max. DC Resistance Primary Winding (Ω)	Max. DC Resistance Secondary 1 Winding (Ω)	Max. DC Resistance Secondary 2 Winding (Ω)	Isolation Voltage (Vrms)	Pin Connection Style	Mechanical Dimensions
TX1201	1:1	3.0	200	22	23	1.2	1.0	-	2000	A	2
TX1202	1:1:1	3.0	200	9	28	1.4	1.3	1.7	2000	B	1
TX1203	2:1:1	12	400	35	30	4.0	1.8	2.4	2000	B	1
TX1204	1:1:1	7.4	310	20	55	2.9	2.5	3.4	2000	B	1
TX1205	1:1:1	22	550	85	18	10.6	8.9	12.2	2000	B	1
TX1206	1:1:1	3.0	200	3	280	1.3	1.3	1.3	500VDC	B	1
TX1207	1:1	3.0	200	22	23	1.2	1.0	-	3500	A	2
TX1208	1:1	0.8	130	4	20	0.4	0.3	-	4000	A	2
TX1209	1:2CT:1CT	8.8	340	60	25	2.5	2.5	-	2000	C	1
TX1210	2:1:1	24	570	70	20	7.5	3.5	4.5	2000	B	1
TX1211	1:1:1	6.0	285	30	30	4.0	4.0	4.0	2000	B	1
TX1212	100:1	6.1	280	-	6	0.7	0.1	-	2000	A	2

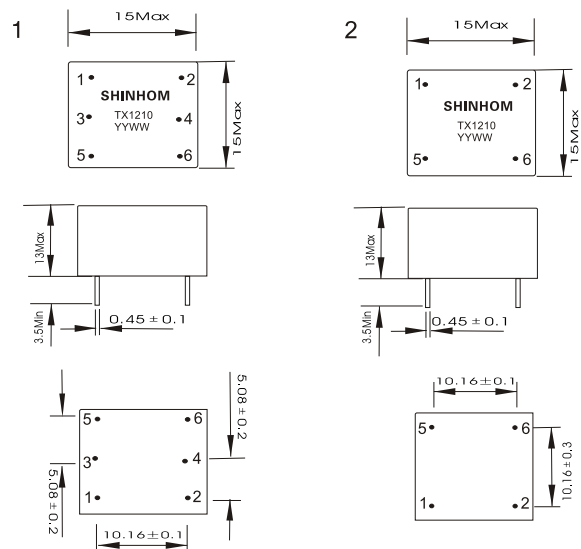
TECHNICAL INFORMATION

- Soldering methods : Wave, Reflow.
- Operating Temperature: 0°C to 70°C.
- Storage Temperature : -55°C to 125°C.
- Peak wave solder temperature 300°C for 10 seconds.

PIN CONNECTIONS(TOP VIEW)



MECHANICAL DIMENSIONS



Note: All dimensions in mm