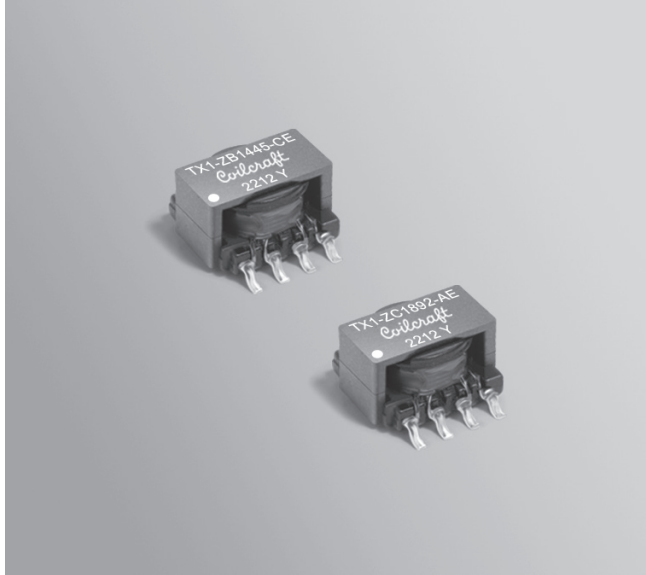




Isolation Transformers



- Optimized for Texas Instrument SN6507 transformer driver
- Low profile and center-tapped push-pull transformers for isolated power supply
- High Frequency Operation up to 1 MHz
- 2500 Vrms, one minute high isolation (hipot) winding to winding

Core material Ferrite

Terminations RoHS Tin-silver-copper over tin over nickel over phos bronze. Other terminations available at additional cost.

Weight 0.91 – 1.1 g

Ambient temperature –40°C to +125°C

Maximum part temperature +165°C (ambient + temp rise)

Storage temperature Component: –40°C to +125°C.

Tape and reel packaging: –40°C to +80°C

Resistance to soldering heat Max three 40 second reflows at +260°C, parts cooled to room temperature between cycles

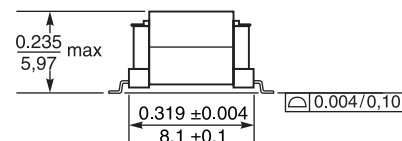
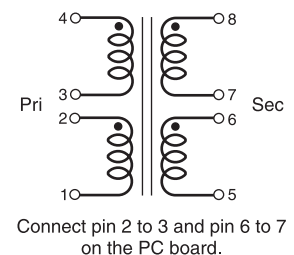
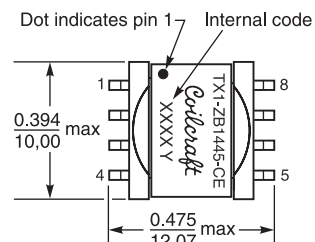
Moisture Sensitivity Level (MSL) 1 (unlimited floor life at <30°C / 85% relative humidity)

Packaging 600/13" reel Plastic tape: 24 mm wide, 0.37 mm thick, 16 mm pocket spacing, 6.1 mm pocket dept

PCB washing Tested with pure water or alcohol only. For other solvents, see Doc787_PCB_Washing.pdf

Part number ¹	Pri/sec voltage	Inductance ² min (μH)	DCR max (Ohms) ³ pri	sec	Leakage inductance ⁴ max (μH)	Volt-time product ⁵ (V-μsec)	Power ⁶ (W)	Turns ratio pri : sec
TX1-ZB1445-CED	12 V to 15 V	99.7	0.087	0.135	0.25	22	7.5	1 : 1.40
TX1-ZC1892-AED	12 V to 30 V	99.7	0.102	0.240	1.0	22	15.0	1 : 2.80
TX1-ZB1459-BED	24 V to 15 V	196	0.115	0.098	1.0	30	7.5	1 : 0.71
TX1-ZC1891-AED	24 V to 30 V	196	0.134	0.163	1.0	30	15.0	1 : 1.43

- Packaging:** D = 13" machine ready reel. EIA-481 embossed plastic tape (600 per full reel). Quantities less than full reel available: in tape (not machine ready) or with leader and trailer (\$25 charge).
 - Inductance is for the primary, measured between pins 4 and 1 with pins 2 and 3 connected at 1 MHz, 0.1 Vrms, 0 Adc.
 - DCR is per winding.
 - Leakage inductance is for the primary with both windings connected in series and with the secondary windings shorted.
 - Volt-time product is for the primary, between pins 4 and 1 with pins 2 and 3 connected.
 - Calculated Output Power will vary depending upon application.
 - Electrical specifications at 25°C.
- Refer to Doc 362 "Soldering Surface Mount Components" before soldering.



Dimensions are in $\frac{\text{inches}}{\text{mm}}$

