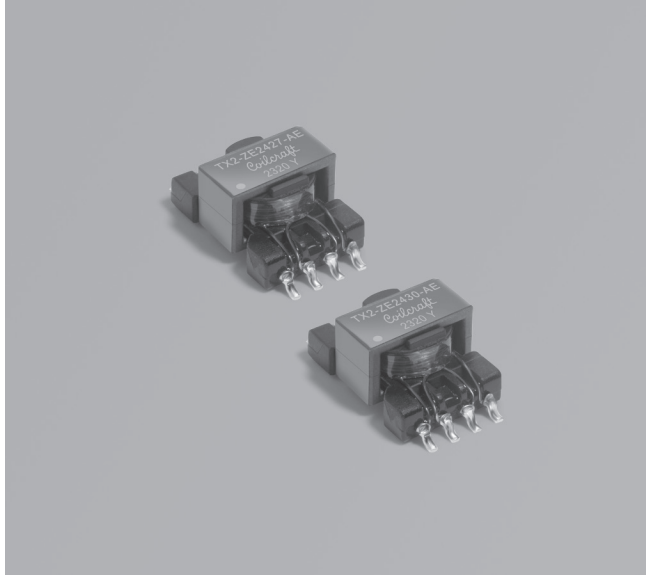




Isolation Transformers



- Optimized for Texas Instruments SN6507-Q1 transformer driver
- Low EMI, robust push-pull transformers for gate driver power supplies
- 10 mm creepage and clearance, Material Group 1⁷
- 5000 Vrms, one minute high isolation (hipot) winding to winding
- AEC Q200 qualified

Core material Ferrite

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

Weight 1.26 – 1.30 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)

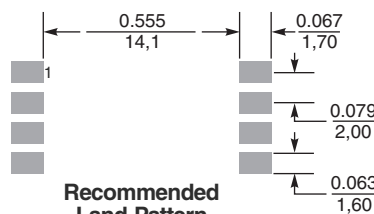
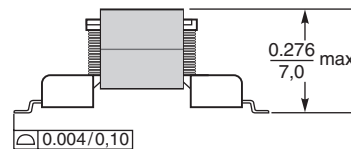
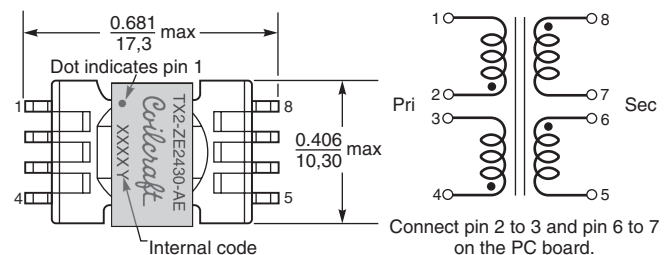
Packaging 550/13" reel Plastic tape: 32 mm wide, 0.50 mm thick, 16 mm pocket spacing, 7.1 mm pocket dept

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
TX2-ZE2427-AED	12 V to 15 V	99.7	0.10	0.15	0.55	22	7.5	1 : 1.4
TX2-ZE2428-AED	12 V to 30 V	99.7	0.12	0.41	0.60	22	15	1 : 2.8
TX2-ZE2429-AED	24 V to 15 V	196	0.12	0.11	1.0	30	7.5	1 : 0.71
TX2-ZE2430-AED	24 V to 30 V	196	0.17	0.24	1.2	30	15	1 : 1.43

- Packaging:** D = 13" machine ready reel. EIA-481 embossed plastic tape (550 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.
- Insulation level may be Functional, Basic, or Reinforced depending on application variables such as working voltage, pollution degree, OVC, and altitude. Please contact [Coilcraft](#) for full details.
- Electrical specifications at 25°C.

Refer to Doc 362 "Soldering Surface Mount Components" before soldering.



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