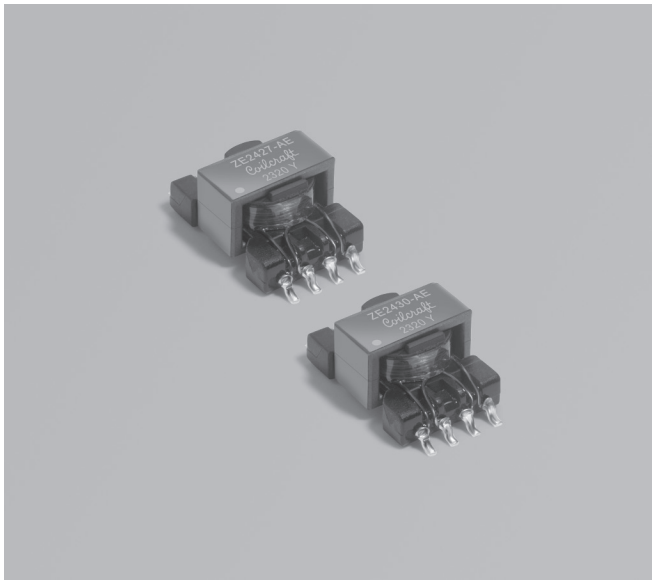
NEW!

RoHS/ REACH COMPLIANT

Halogen Free

AEC Q200 +125°C

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 1[7]
- 5000 Vrms, one minute high isolation (hipot) winding to winding
- AEC Q200 qualified

Core material Ferrite

Terminations RoHS tin-silver 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)

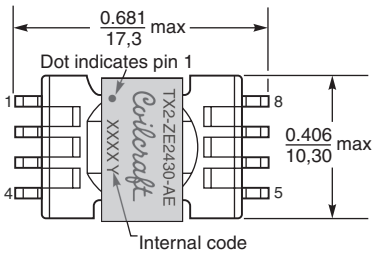
Packaging 550/13″ reel Plastic tape: 32 mm wide, 0.50 mm thick, 16 mm pocket spacing, 7.1 mm pocket dept

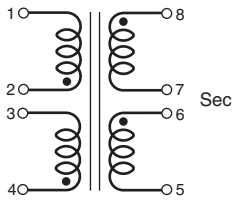
PCB washing Tested with pure water or alcohol only. For other solvents, see Doc787_PCB_Washing.pdf

Part number[1]	Pri / sec voltage	Inductance[2] min (µH)	DCR max (Ohms)[3] pri	DCR max (Ohms)[3] 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

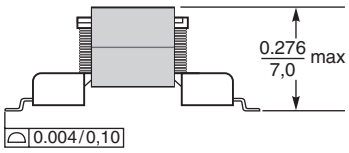
1. **Packaging: D** = 13″ machine ready reel. EIA-481 embossed plastic tape (550 per full reel). Quantities less than full reel available: in tape (not machine ready) or with leader and trailer ($25 charge).
2. Inductance is for the primary, measured between pins 4 and 1 with pins 2 and 3 connected at 1 MHz, 0.1 Vrms, 0 Adc.
3. DCR is per winding.
4. Leakage inductance is for the primary with both windings connected in series and with the secondary windings shorted.
5. Volt-time product is for the primary, between pins 4 and 1 with pins 2 and 3 connected.
6. Calculated Output Power will vary depending upon application.
7. 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.
8. Electrical specifications at 25°C.

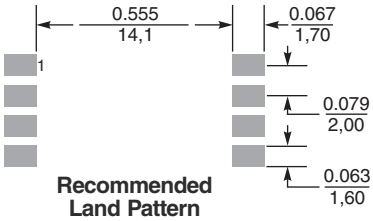
Refer to Doc 362 “Soldering Surface Mount Components” before soldering.





Connect pin 2 to 3 and pin 6 to 7 on the PC board.





Recommended Land Pattern

Dimensions are in inches / mm

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