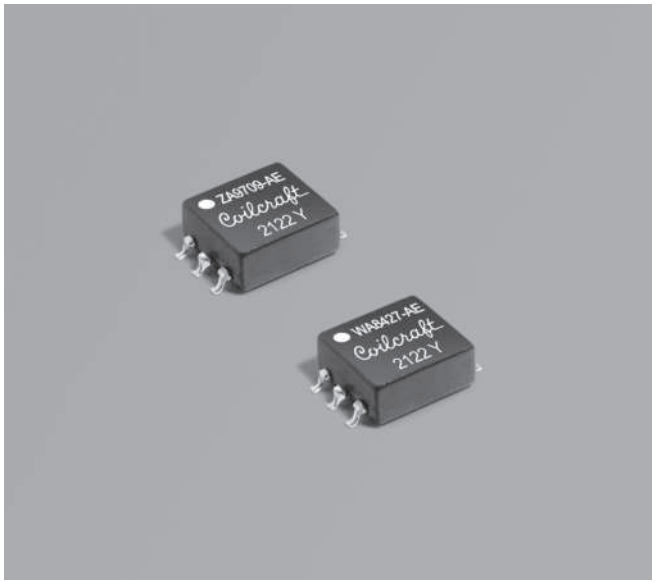
Isolation Transformers



- Designed for use with SN6505B Push Pull Driver by Texas Instruments
- Low profile and center-tapped push-pull transformers for isolated power supply
- Operates at 400 kHz with 2.25 – 5.5 V input
- 2500 Vrms, one minute high isolation (hipot) winding to winding
- AEC-Q200 qualified

Core material Ferrite

Environmental RoHS compliant, halogen free

Terminations RoHS tin-silver-copper over tin over nickel over phos bronze.

Weight 0.60 – 0.65 g

Ambient temperature –40°C to +125°C

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

Storage temperature Component: –40°C to +165°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)

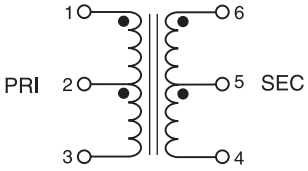
PCB washing Tested to MIL-STD-202 Method 215 plus an additional aqueous wash. See Doc787_PCB_Washing.pdf.

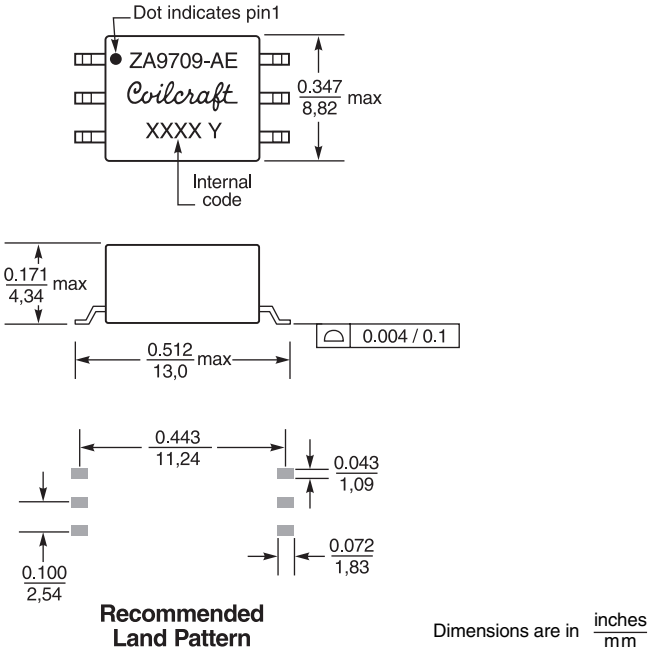
Part number[1]	Input voltage (V)	L[2] at 0 A (µH)	Leakage L[3] max (µH)	DCR max (Ohms) pri	DCR max (Ohms) sec	Turns ratio pri:sec	Volt-time product[4] (V-µsec)	Isolation[5] (Vrms)	Output
ZA9709-AED	3.3	145	0.25	0.076	0.128	1 : 1.67	8.64	2500	3.3 V
WA8427-AED	5.0	145	0.25	0.076	0.100	1 : 1.11	8.64	2500	5.0 V

1. **Packaging: D** = 13″ machine ready reel. EIA-481 embossed plastic tape. (900 parts 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 primary windings measured at 100 kHz, 0.01 Vrms, 0 Adc.
3. Leakage inductance is measured between pins 1 and 3 at 100 kHz, 0.1 Vrms with secondary pins shorted.
4. Volt-time product is for primary windings, between pin 1 and 3.
5. One minute isolation (hipot) primary windings to secondary windings.
6. Electrical specifications at 25°C.

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

Schematics





Recommended Land Pattern

Dimensions are in inches / mm

Packaging 900 per 13″ reel Plastic tape: 24 mm wide, 0.4 mm thick, 16 mm pocket spacing, 4.6 mm pocket depth

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