

Isolation Transformer



- Optimized for Texas instrument SN6505 transformer driver
- Designed to meet UL/CSA/IEC 60950 Reinforced Insulation Class with 8 mm creepage and 4.5 mm clearance
- Low profile and center-tapped push-pull transformers for isolated power supply
- 3500Vrms, one minute high isolation (hipot) winding to winding

Core material Ferrite

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

Weight 0.9 g

Ambient temperature -40°C to +125°C

Maximum part temperature +155°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)

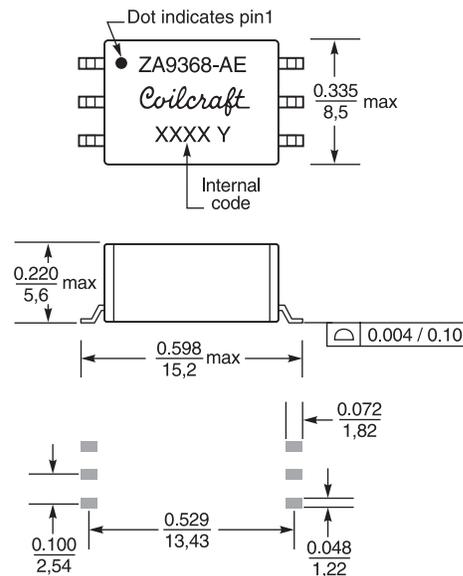
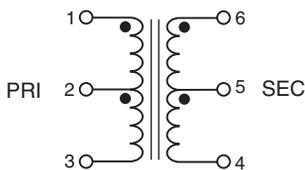
Packaging 650 per 13" reel Plastic tape: 24 mm wide, 0.4 mm thick, 12 mm pocket spacing, 6.6 mm pocket depth

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 ±25% (µH)	Leakage L ³ max (µH)	DCR max (Ohms)		Turns ratio pri:sec	Volt-time product ⁴ (V-µsec)	Isolation ⁵ (Vrms)	Output ⁶
				pri	sec				
ZA9368-AED	3.3	256	0.4	0.182	0.395	1 : 1.75	16	3500	5 V, 700 mA

- Packaging:** D = 13" machine ready reel. EIA-481 embossed plastic tape. Quantities less than full reel available: in tape (not machine ready) or with leader and trailer (\$25 charge).
- Inductance is for primary windings measured at 10 kHz, 0.01 Vrms, 0 Adc.
- Leakage inductance measured between pins 1 and 3 at 100 kHz, 0.1 Vrms with secondary pins shorted.
- Volt-time product is for the primary, between pin 1 and 3.
- One minute isolation (hipot) primary windings to secondary windings.
- Maximum output current of 700 mA causes 40°C temperature rise from ambient.
- Capacitance is 6 pF ±10%, measured from primary to secondary.
- Electrical specifications at 25°C.

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



Recommended Land Pattern

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