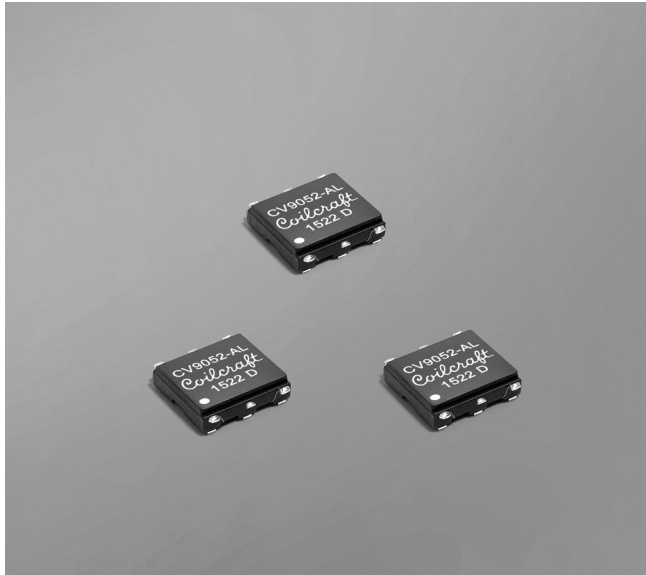


**NEW!**

# Gate Drive Transformer

Linear Technology DC1739B-C  
Active Clamp Converter

- Developed for Linear Technology DC1739B-C Active Clamp forward Converter
- 1500 Vrms, one minute isolation (hipot) between windings

**Core material** Ferrite**Terminations** RoHS tin-silver over copper**Weight** 0.35g**Ambient temperature** -40°C to +85°C**Maximum part temperature** +105°C (ambient + temp rise).**Storage temperature** Component: -40°C to +85°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)**Failures in Time (FIT) / Mean Time Between Failures (MTBF)**

38 per billion hours / 26,315,789 hours, calculated per Telcordia SR-332

**Packaging** 350/7" reel; 1200/13" reel Plastic tape: 24 mm wide, 0.3 mm thick, 16 mm pocket spacing, 3.05 mm pocket depth**PCB washing** Tested to MIL-STD-202 Method 215 plus an additional aqueous wash. See [Doc787\\_PCB\\_Washing.pdf](#).

Part number <sup>1</sup>	Turns ratio pri : sec	Primary inductance <sup>2</sup> ±25% (µH)	Leakage inductance <sup>3</sup> max (µH)	DCR max (Ohms)		Volt-time product max (V-µsec)
				Primary	Secondary	
CV9052-AL_	1.25 : 1	931.5	0.90	1.03	0.85	20.0

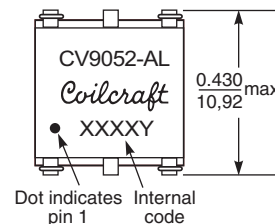
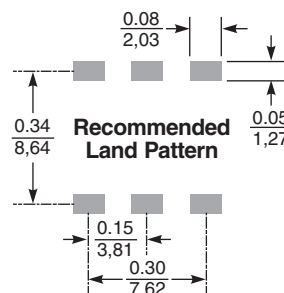
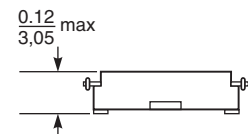
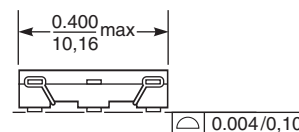
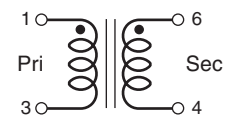
1. When ordering, please specify **packaging** code:**CV9052-ALC****Packaging:** **C** = 7" machine ready reel. EIA-481 embossed plastic tape (500 per full reel).**B** = Less than full reel. In tape, but not machine ready. To have a leader and trailer added (\$25 charge), use code letter C instead.**D** = 13" machine ready reel. EIA-481 embossed plastic tape, factory order only, not stocked (1200 per full reel).

2. Inductance is tested between pins 1 and 3 at 100 kHz, 0.05 Vrms, 0 Adc.

3. Leakage inductance is for the primary, measured at 100 kHz, 0.05 Vrms, 0 Adc with the secondary windings shorted.

4. Electrical specifications at 25°C.

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

Dot indicates pin 1  
Internal codeDimensions are in  $\frac{\text{inches}}{\text{mm}}$ 

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