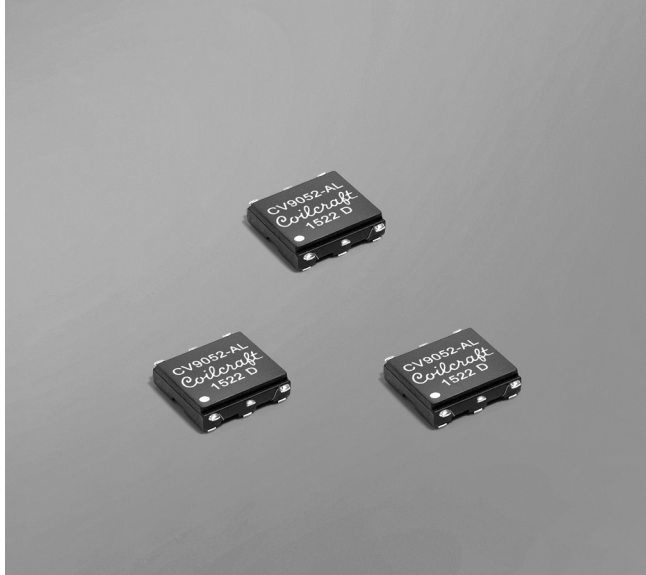


NEW!

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 ¹ | Turns ratio pri : sec | Primary inductance ² ±25% (µH) | Leakage inductance ³ 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 |

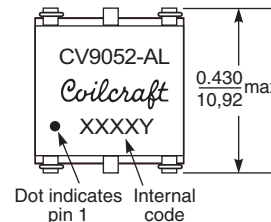
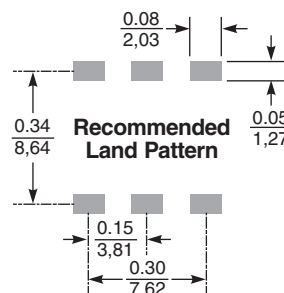
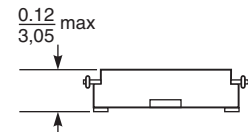
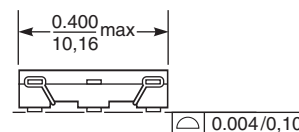
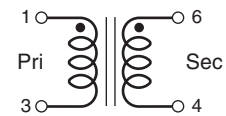
1. When ordering, please specify **packaging** code:**CV9052-ALC****Packaging:** **C** = 7" machine ready reel. EIA-481 embossed plastic tape (500 per full reel).**B** = Less than full reel. In tape, but not machine ready. To have a leader and trailer added (\$25 charge), use code letter C instead.**D**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

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