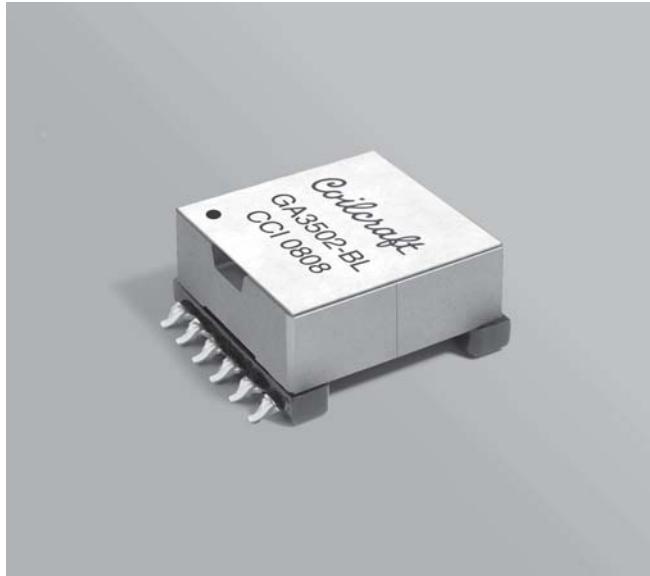




NEW!

# Flyback Transformer

For Maxim Off-Line  
LED Driver



- Designed for PWM Dimming of High-Brightness LEDs
- Bias winding output: 18 V, 20 mA
- 400 V input; 110 V, 0.4 A output
- 1500 Vrms primary and bias to secondary isolation

**Core material** Ferrite

**Terminations** RoHS tin-silver over tin over nickel over phosphor bronze. Other terminations available at additional cost.

**Weight** 21.3 g

**Ambient temperature**  $-40^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$

**Storage temperature** Component:  $-40^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$ .  
Packaging:  $-40^{\circ}\text{C}$  to  $+80^{\circ}\text{C}$

**Resistance to soldering heat** Max three 40 second reflows at  $+260^{\circ}\text{C}$ , parts cooled to room temperature between cycles

**Moisture Sensitivity Level (MSL)** 1 (unlimited floor life at  $<30^{\circ}\text{C}$  / 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** 24 parts per tray

**PCB washing** Only pure water or alcohol recommended

Part number	Inductance at 0 Adc <sup>1</sup> $\pm 10\%$ ( $\mu\text{H}$ )	Inductance at $I_{pk}^2$ min ( $\mu\text{H}$ )	DCR max (Ohms)	Leakage Inductance <sup>3</sup> max ( $\mu\text{H}$ )	Turns ratio pri : sec	Turns ratio pri : bias	$I_{pk}^2$ (A)	Output <sup>4</sup>
GA3502-BL	800	720	1.283 (pins 1–3) 0.146 (pins 5–6) 0.361 (pins 12–7)	6.60	1 : 0.035	1 : 0.06	0.75	110 V, 0.4 A

1. Inductance is for the primary (pins 1–3), measured at 250 kHz, 0.3 Vrms.

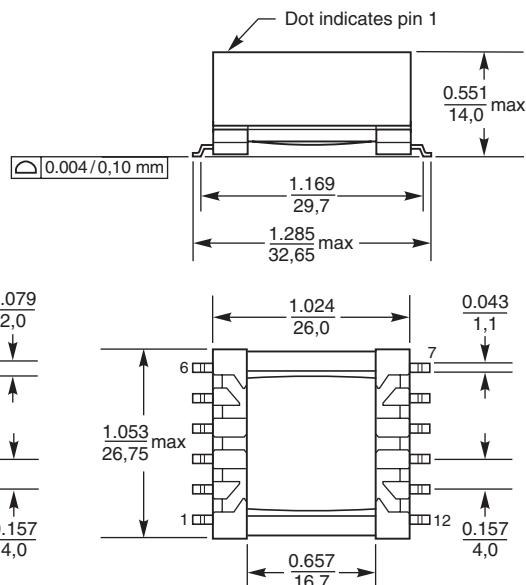
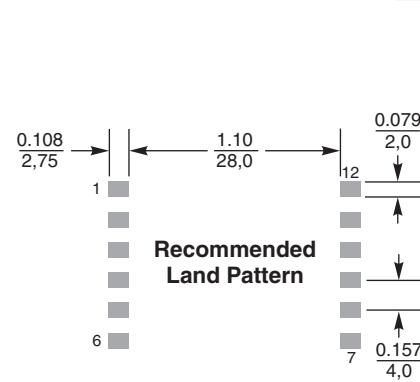
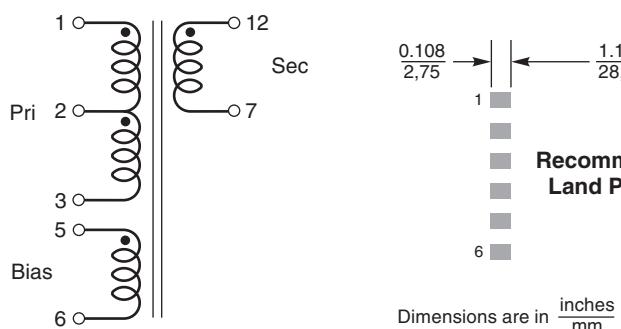
2. Peak primary current drawn at minimum input voltage.

3. Leakage inductance is for the primary winding (pins 1–3) with the secondary winding shorted.

4. Output is for the secondary. Bias winding output is 18 V, 20 mA.

5. Electrical specifications at  $25^{\circ}\text{C}$ .

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



# Coilcraft

<sup>®</sup> These parts are preproduction products for electrical evaluation only.  
Specification subject to change without notice.

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