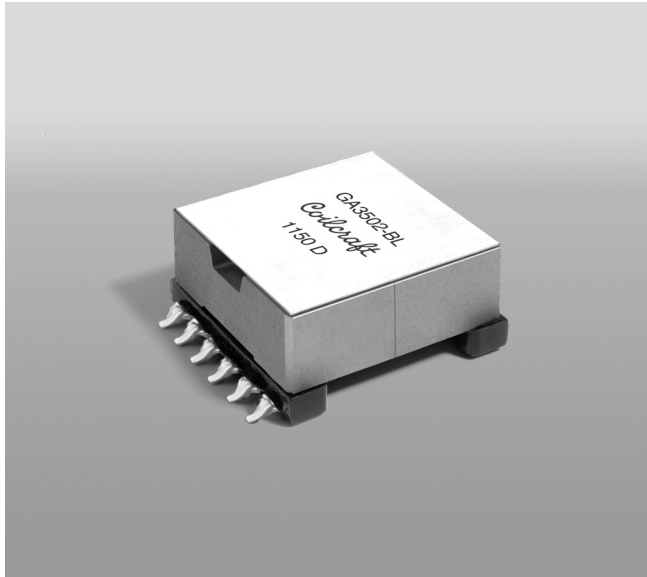


Flyback Transformer

For Maxim MAX16801
Off-Line LED Driver



- Designed for PWM Dimming of High-Brightness LEDs
- Shown on Maxim MAX16801 demonstration board
- Bias winding output: 18 V, 20 mA
- 400 V input; 110 V, 0.4 A output
- 1500 Vrms, one minute primary and bias to secondary isolation

Core material Ferrite

Terminations RoHS tin-silver (96.5/3.5) over tin over nickel over phos bronze. Other terminations available at additional cost.

Weight 21.3 g

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

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

Tray packaging: -40°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

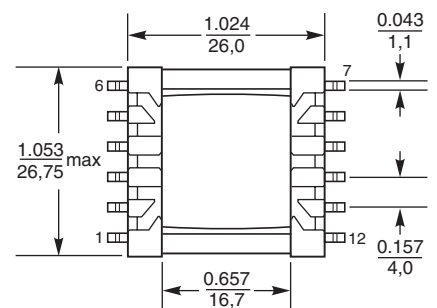
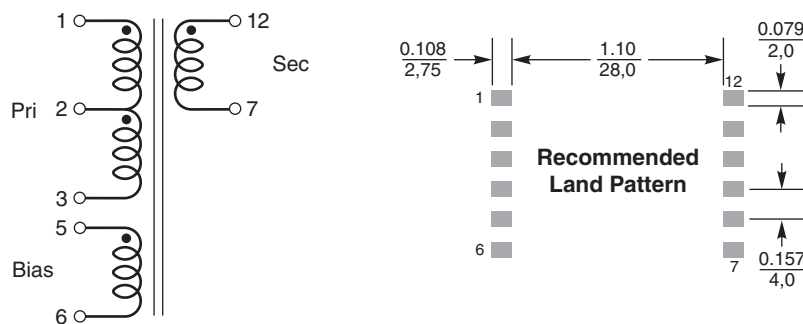
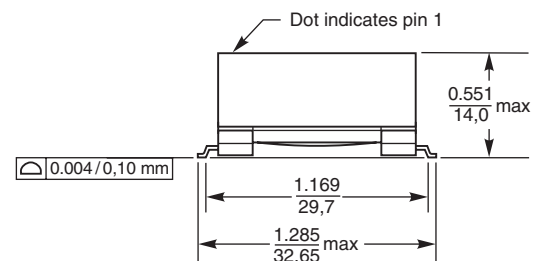
Moisture Sensitivity Level (MSL) 1 (unlimited floor life at $<30^{\circ}\text{C}$ / 85% relative humidity)

Packaging 24 parts per tray

PCB washing Only pure water or alcohol recommended

Part number	Inductance at 0 Adc ¹ $\pm 10\%$ (μH)	Inductance at Ipk ² min (μH)	DCR max (Ohms)	Leakage Inductance ³ max (μH)	Turns ratio		Ipk ² (A)	Output ⁴
					pri : sec	pri : bias		
GA3502-BL	800	720	1.283 (pins 1–3) 0.146 (pins 5–6) 0.361 (pins 12–7)	6.60	1 : 0.35	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°C .
- Refer to Doc 362 "Soldering Surface Mount Components" before soldering.



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