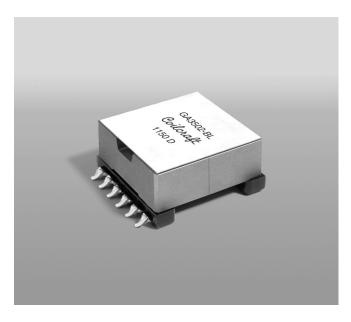


Flyback Transformer For Maxim MAX16801 Off-Line LED Driver



- · 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°C

Storage temperature Component: -40°C to +125°C. Tray 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 24 parts per tray

20

0.157

4.0

PCB washing Only pure water or alcohol recommended

Part number	Inductance at 0 Adc ¹ ±10% (µH)	Inductance at Ipk ² min (µH)	DCR max (Ohms)	Leakage Inductance ³ max (µH)	Turns pri : sec	<u>s ratio</u> pri : bias	Ipk ² (A)	Output ⁴
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.

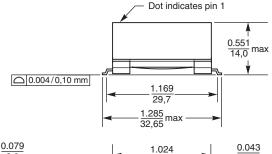
2. Peak primary current drawn at minimum input voltage.

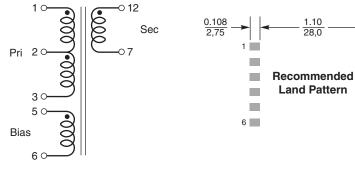
3. Leakage inductance is for the primary winding (pins 1 – 3) with the secondary winding shorted.

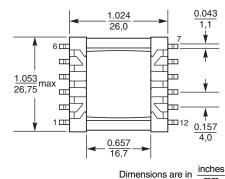
4. Output is for the secondary. Bias winding output is 18 V, 20 mA.

5. Electrical specifications at 25°C.

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









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