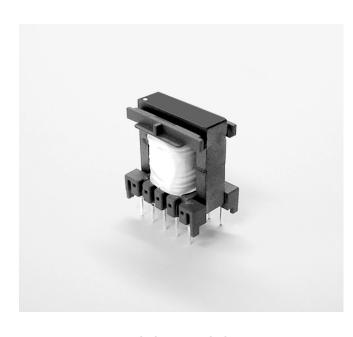


Flyback Transformer For Microchip Technology's Isolated AC LED driver



- Developed specifically for Microchip Technology's Isolated AC LED driver to operate with PIC16HV785 CMOS Microcontroller and MCP1402 Gate Driver
- Universal ac input; 20 V, 0.7 A output; Operates at 125 kHz
- 3000 Vrms, one minute isolation from the primary and bias to the secondary winding
- Bias winding supplies 12 V to power the microprocessor

Core material Ferrite

Terminations RoHS tin-silver over tin over copper clad steel. Other terminations available at additional cost.

Weight 11.7 g

Ambient temperature -40°C to +85°C

Storage temperature Component: -40°C to +85°C.

Tray packaging: -40°C to +80°C

Moisture Sensitivity Level (MSL) 1 (unlimited floor life at <30°C / 85% relative humidity)

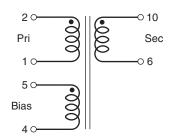
Packaging 117 parts per tray

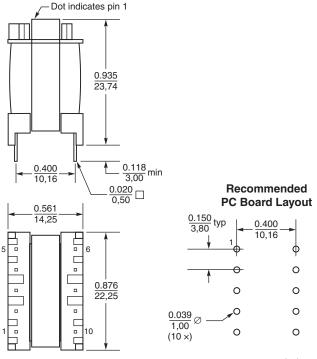
PCB washing Only pure water or alcohol recommended

Part	Power	Inductance at 0 A ¹	Inductance at Ipk ²	DCR max (Ohms)			Leakage inductance ³	Turns ratio	Ipk ²	
number	(W)	±10% (µH)	min (μH)	pri	sec	bias	max (µH)	pri:sec pri:bias	(A)	Output ⁴
GA3172-AL	14	500	450	0.675	0.245	0.325	8.25	1:0.214 1:0.131	0.78	20 V, 0.7 A

- 1. Inductance measured at 125 kHz, 0.1 Vrms, 0 Adc.
- 2. Peak primary current drawn at minimum input voltage.
- 3. Leakage inductance is for the primary and is measured with the secondary shorted.
- 4. Output is for the secondary. Bias winding output is 12 V.
- 5. Electrical specifications at 25°C.

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





inches Dimensions are in



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Specification subject to change without notice.
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