

**NEW!**

# Planar Transformer

For Maxim MAX5069A  
PWM Controller



The B0860-C is approved by Maxim for use with their MAX5069A high-frequency, current-mode, pulse-width modulation (PWM) controller.

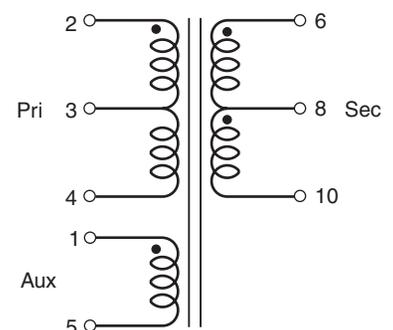
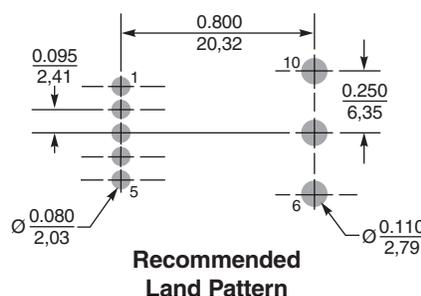
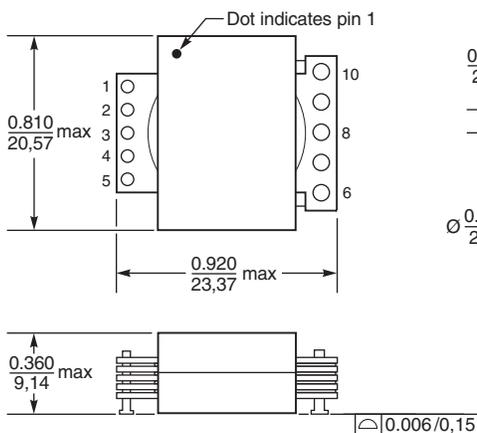
This planar transformer can be used in push-pull, half-bridge and full-bridge topologies. It is ideal for use in high-current, isolated or nonisolated power supply applications. It offers high efficiency in a low-profile package and features split primary and secondary windings, a separate auxiliary winding and 1500 Vdc primary to secondary isolation.

Coilcraft's **Planar Prototyping Kit C156** was used to design this transformer. No tooling or additional parts were required. To order the kit, contact Coilcraft or purchase on-line at <http://order.coilcraft.com>.

Free evaluation samples of B0860-C are available by contacting Coilcraft or by visiting [www.coilcraft.com](http://www.coilcraft.com).

Part number	Output power (W)	Input voltage range (V)	Output voltage nom (V)	Output current (A peak)	Primary inductance <sup>1</sup> min (µH)	Leakage inductance <sup>2</sup> max (µH)	DCR max (mOhms)	Turns ratio <sup>3</sup>	
								pri : sec	pri : aux
B0860-C	180	36 – 72	12	15	187.0	0.25	Pri: 38.0 Sec: 3.6 Aux: 120.0	1 : 0.4	1 : 0.3

1. Inductance measured on an Agilent/HP 4284 between pins 2 and 4 at 250 kHz, 0.1 Vrms, 0 Adc.
2. Leakage inductance measured between pins 2 and 4 at 250 kHz, 0.1 Vrms, 0 Adc with pins 6, 8 and 10 shorted.
3. Turns ratio is with the primary windings and secondary windings connected in series.
4. Storage and ambient operating temperature range: -40°C to +85°C.
5. Electrical specifications at 25°C.



Tape and reel: 200/13" reel 44 mm tape width

## Coilcraft®

Specifications subject to change without notice.  
Please check our website for latest information.

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