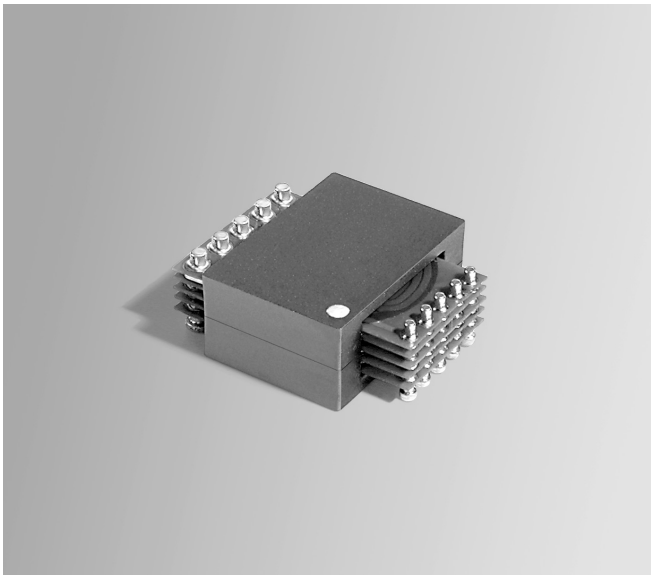
Planar Transformer

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 C356** 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.**

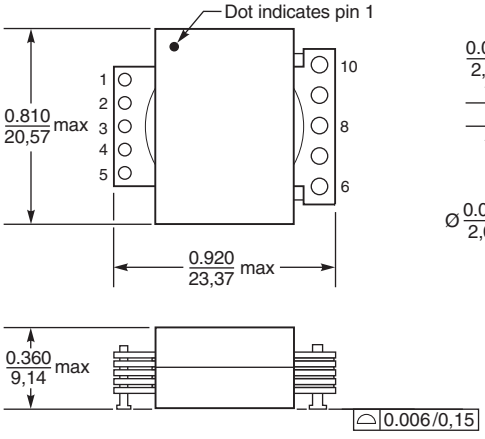
Part number[1]	Output power (W)	Input voltage range (V)	Output voltage nom (V)	Output current (A peak)	Primary inductance[2] min (µH)	Leakage inductance[3] max (µH)	DCR max (mOhms)	Turns ratio[4]	
								pri:sec	pri:aux
B0860-CL_	180	36 – 72	12	15	187.0	0.25	Pri: 38.0 Sec: 4.0 Aux: 120.0	10:4	10:3

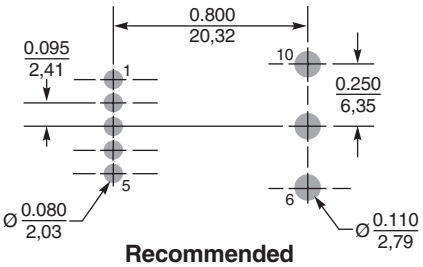
1. When ordering, specify a **packaging** code:

B0860-CLD

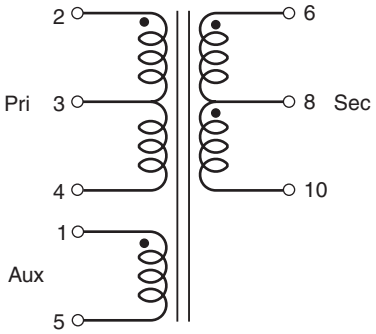
Packaging: **D** = 13″ machine ready reel. EIA-481 embossed plastic tape (200per full reel).
B = Less than full reel. In tape, but not machine ready. To have a leader and trailer added ($25 charge), use code letter D instead.

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





Recommended Land Pattern



Weight: 11.8 g
Terminations: Matte tin over nickel over brass
Tape and reel: 200/13″ reel 44 mm tape width

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This product may not be used in medical or high risk applications without prior Coilcraft approval.
Specification subject to change without notice.
Please check web site for latest information.