

**NEW!**

Planar Transformer

For National Semiconductor
LM5032 PWM Controller



The C1539-AL was developed specifically for the National Semiconductor LM5032 dual interleaved current mode PWM controller. This planar transformer can be used in a dual forward converter or in both interleaved power stages of a high-current converter in applications up to 100 Watts.

Its low leakage inductance and excellent dc resistance provide very high efficiency. Primary to secondary isolation is 1500 Vdc.

Free evaluation samples of C1539-AL are available by contacting Coilcraft or by visiting www.coilcraft.com.

Part number ¹	Output power (W)	Output voltage nom (V)	Output current (A rms)	Primary inductance ² min (μ H)	Leakage inductance ³ max (μ H)	DCR max (mOhms)	Turns ratio pri : sec	Pri/sec Isolation (Vdc)
C1539-AL_	100	12	8.33	320.0	0.25	pri: 63.0 sec: 15.0	2 : 1	1500

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

C1539-ALD

Packaging: D = 13" machine ready reel. EIA-481 embossed plastic tape (200 per full reel).

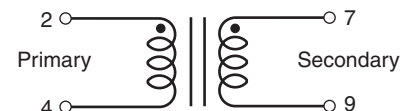
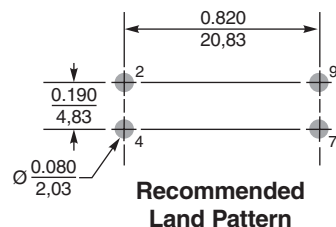
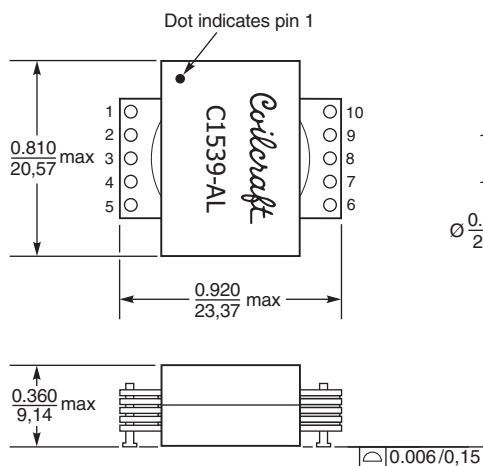
B = Less than full reel. In tape, but not machine ready. To have a leader and trailer added (\$25 charge), use code letter D instead.

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 100 kHz, 0.1 Vrms, 0 Adc with pins 7 and 9 shorted.

4. Storage and ambient operating temperature range: -40°C to $+85^{\circ}\text{C}$.

5. Electrical specifications at 25°C .



Weight: 10.2 g
Terminations: Matte tin over nickel over brass
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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