



SMT Planar Transformer – A0027-AL



Coilcraft's surface mount planar transformers are ideal for applications that require high efficiency in a low-profile package. Planar transformers offer high power densities along with great reliability and repeatability. The A0027-A is designed to perform in push-pull topologies operating at 200–300 kHz. The auxiliary winding can be used to control input current to PWMs.

To complete your design, Coilcraft offers a wide variety of power inductors for use as input and output chokes.

To request free evaluation samples, contact Coilcraft or visit www.coilcraft.com.

Part number	Output power (W)	Input voltage range (V)	Output voltage (V)	Output current (A rms)	Primary inductance ¹ min (mH)	Leakage inductance max (μH)	DCR max (Ohms)			Pri/sec isolation (Vrms)
							pri	sec	aux	
A0027-AL	10	36–75	3.3	2.0	1.30	3.5	1.13	0.042	0.331	1500

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

A0027-AL D

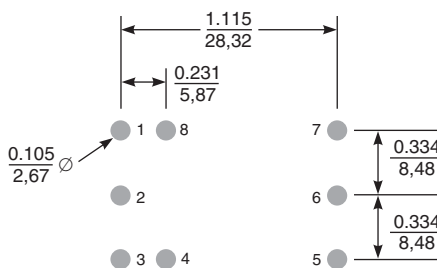
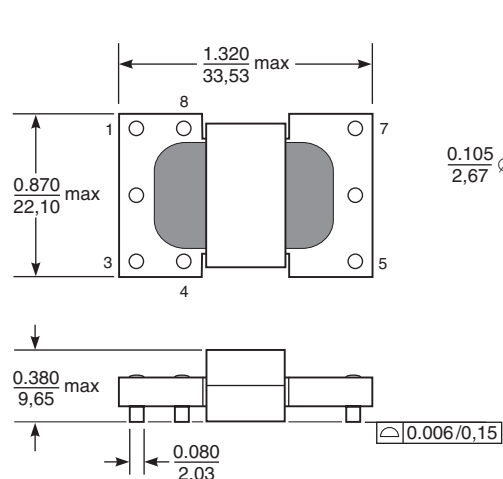
Packaging: D = 13" machine ready reel. EIA-481 embossed plastic tape (250 parts per full reel).

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.

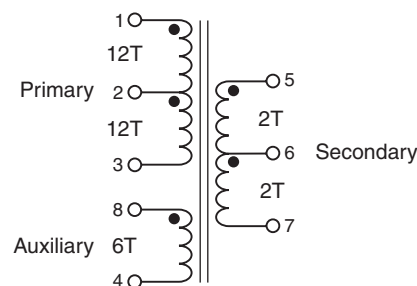
1. Inductance measured between pins 1 and 3 at 250 kHz, 0.1 Vrms, 0 Adc.

2. Storage and ambient operating temperature range: –40°C to +85°C.

3. Electrical specifications at 25°C.



Recommended Land Pattern



Weight: 10.0 g

Terminations: Matte tin over nickel over brass

Tape and reel: 250/13" reel 56 mm tape width

For packaging data see Tape and Reel Specifications section.

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Specifications subject to change without notice.

Please check our website for latest information.

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SMT Planar Transformer – A9845-AL



Coilcraft's surface mount planar transformers are ideal for applications that require high efficiency in a low-profile package. They are designed to perform in push-pull topologies operating at 200 – 300 kHz. The auxiliary winding can be used to control input current to PWMs.

Planar transformers offer high power densities along with great reliability and repeatability.

The A9845-A has a smaller footprint and lower profile than our other planar transformers. The circular windings provide very low DCR and excellent leakage inductance values.

To complete your design, Coilcraft offers a wide variety of power inductors for use as input and output chokes. To request free evaluation samples, contact Coilcraft or visit www.coilcraft.com.

Part number ¹	Output power (W)	Input voltage range (V)	Output voltage (V)	Output current (A rms)	Primary inductance ¹ min (mH)	Leakage inductance max (μH)	DCR max (Ohms)			Pri/sec isolation (Vrms)
							pri	sec	aux	
A9845-AL_	10	36 – 75	3.3	2.0	1.50	1.4	0.80	0.0105	0.120	1200

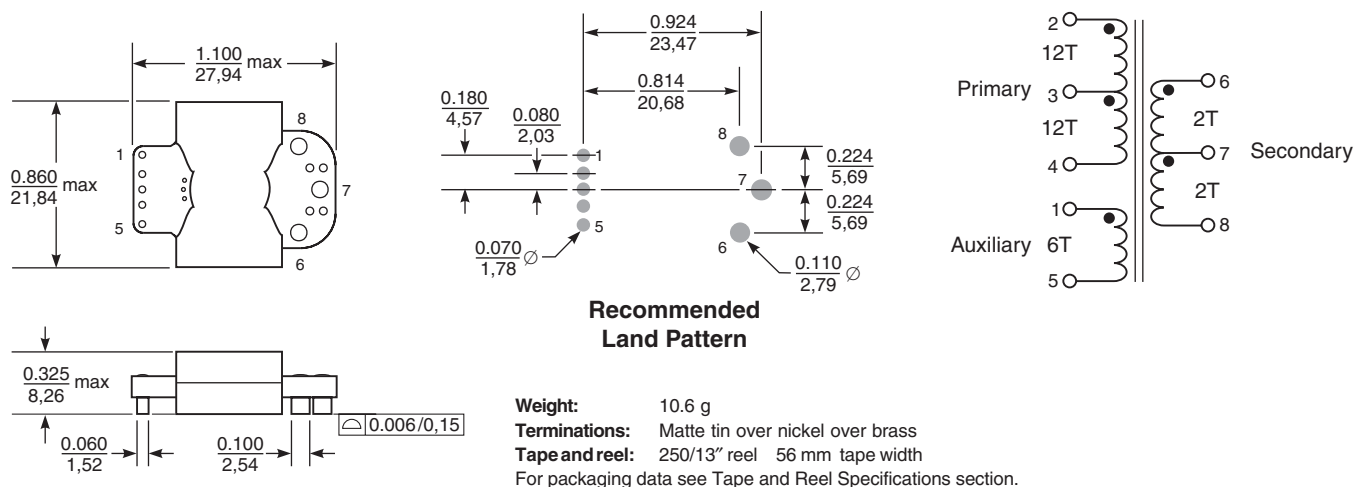
1. When ordering, please specify **packaging** code:

A8945-AL D

Packaging: **D** = 13" machine ready reel. EIA-481 embossed plastic tape (250 parts 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.

1. Inductance measured between pins 2 and 4 at 250 kHz, 0.1 Vrms, 0 Adc.
2. Storage and ambient operating temperature range: –40°C to +85°C.
3. Electrical specifications at 25°C.



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