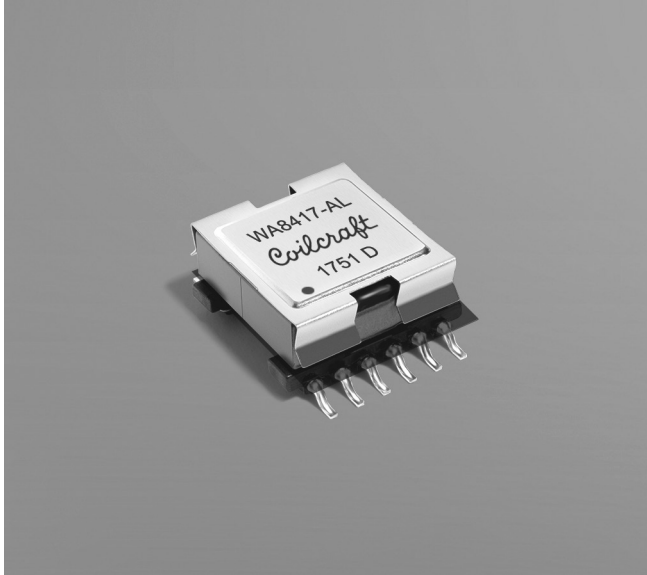




# Fly-Buck™ Transformer

For Texas Instrument PMP30227 Isolated Power Supply



- Developed for use with Texas Instrument PMP30227 Automotive Isolated 15 V/4.5 W Bias Power Supply
- 2500 Vrms, one minute isolation from primary to secondary
- Designed to meet basic insulation class with 3 mm creepage and clearance

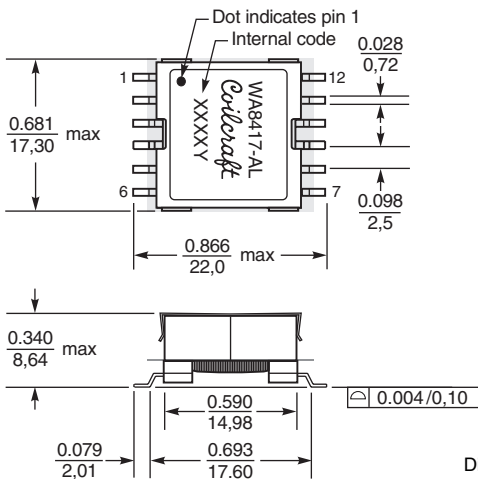
**Core material** Ferrite  
**Terminations** RoHS tin-silver-copper (95.5/3.8/0.7) over tin over nickel over phos bronze.  
**Weight** 5.23 g  
**Ambient temperature** -40°C to +125°C  
**Maximum part temperature** +165°C  
**Storage temperature** Component: -40°C to +165°C. Tape and reel packaging: -40°C to +65°C  
**Resistance to soldering heat** Max three 40 second reflows at +260°C, parts cooled to room temperature between cycles  
**Moisture Sensitivity Level (MSL)** 1 (unlimited floor life at <30°C / 85% relative humidity)  
**Packaging** 600 per 13" reel Plastic tape: 24 mm wide, 0.37 mm thick, 16 mm pocket spacing, 6.1 mm pocket depth  
**PCB washing** Tested to MIL-STD-202 Method 215 plus an additional aqueous wash. See [Doc787\\_PCB\\_Washing.pdf](#).

Part number <sup>1</sup>	Input voltage (V)	Inductance <sup>2</sup> ±10% (µH)	DCR max (Ohms)		Leakage inductance <sup>3</sup> max (µH)	Turns ratio pri:sec	Isolation <sup>4</sup> (Vrms)	Isat <sup>5</sup> (A)	Output
			pri	sec					
WA8417-AL_	8 – 28	47.0	0.185	0.37	0.42	1:2	2500	2.8	15 V, 0.3 A

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

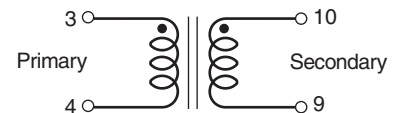
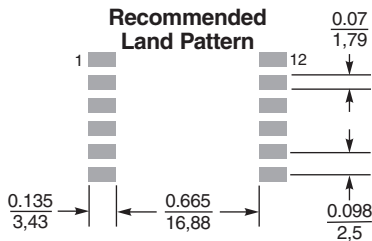
**WA8417-ALD**  
**Packaging:** D = 13" machine ready reel. EIA-481 embossed plastic tape (600 per full reel). Quantities less than full reel available: in tape (not machine ready) or with leader and trailer (\$25 charge).  
 B = Less than full reel. In an effort to simplify our part numbering system, Coilcraft is eliminating the need for multiple packaging codes. When ordering, simply change the last letter of your part number from B to D.

- Inductance is for the primary, measured on an Agilent/HP 4284 at 400 kHz, 0.6 Vrms, 0 Adc.
  - Leakage inductance measured between pins 3 and 4 at 400 kHz, 0.6 Vrms, 0 Adc with pins 10 and 9 shorted.
  - Isolation (hipot) measured between windings for one minute.
  - DC current that causes an inductance drop of 30% (typ) from its value without current.
  - Electrical specifications at 25°C.
- Refer to Doc 362 "Soldering Surface Mount Components" before soldering.



Dimensions are in inches mm

**Recommended Land Pattern**



Fly-Buck™ is a trademark of Texas Instrument Incorporated



**US** +1-847-639-6400 sales@coilcraft.com  
**UK** +44-1236-730595 sales@coilcraft-europe.com  
**Taiwan** +886-2-2264 3646 sales@coilcraft.com.tw  
**China** +86-21-6218 8074 sales@coilcraft.com.cn  
**Singapore** + 65-6484 8412 sales@coilcraft.com.sg

Document 1435 Revised 07/06/23  
 © Coilcraft Inc. 2023  
 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.