



NEW!

Flyback Transformer

For Linear Technology LTC4267 PoE PD Interface

The D1766-AL multiple-output transformer was developed for use with Linear Technology LTC4267 Power over Ethernet IEEE 802.3af PD Interface with Integrated Switching Regulator. It is ideal for use in telecommunications isolated converters and isolated power supplies.

This low-profile transformer is designed for an input

voltage of 36 – 72 Volts. It features interleaved primary and secondary windings to minimize leakage inductance and 1500 Vrms isolation between windings.

Coilcraft can also custom engineer a transformer to meet your specific requirements. For free evaluation samples, contact Coilcraft or visit www.coilcraft.com.

Part number ¹	Inductance at 0 Adc ² ±10% (μH)	Inductance at Ipk ³ min (μH)	DCR max (Ohms)	Leakage Inductance ⁴ max (μH)	Turns ratio		Ipk ³ (A)	Outputs
					pri : S1	pri : S2,S3		
D1766-AL_	221	200	0.420 (pins 1 – 3) 0.013 (pins 8–5) 0.013 (pins 7–6) 0.015 (pins 10–9) 0.030 (pins 12–11)	5.1	9.6 : 1	24 : 1	1.5	3.3 V, 0.5 A 2.5 V, 1.5 A 1.8 V, 2.5 A

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

D1766-AL D

Packaging: **D** = 13" machine-ready reel. EIA-481 embossed plastic tape (175 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.

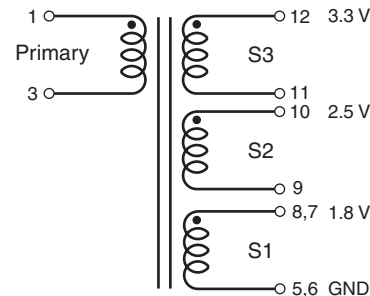
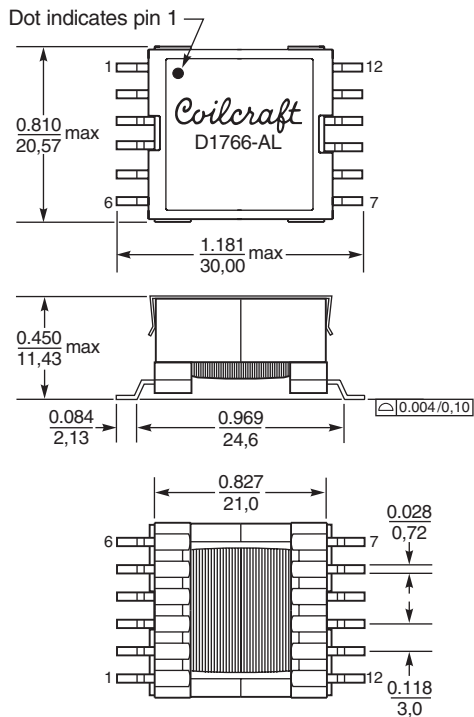
2. Inductance is measured at 200 kHz, 1.1 Vrms, 0 Adc.

3. Peak primary current drawn at minimum input voltage.

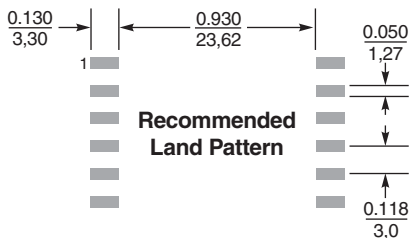
4. Leakage inductance is for the primary and is measured with secondary windings shorted.

5. Operating temperature range –40°C to +125°C.

6. Electrical specifications at 25°C.



Pins 9,8,7 to be connected on the board.
Pins 11, 10 to be connected on the board.



Weight: 12.7 g
Terminations: Tin-silver over tin over nickel over phos bronze
Tape and reel: 175/13" reel, 44 mm tape width
For packaging data see Tape and Reel Specifications section.



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

Document 529 Revised 09/11/06