

For use with  
Intersil ISL6401 family



# DC-DC Flyback Transformer for Telecom

This low profile flyback transformer is designed for applications such as Subscriber Line Interface Circuits (SLICs), cable and DSL modems and set top boxes.

For free evaluation samples, contact Coilcraft or visit [www.coilcraft.com](http://www.coilcraft.com).

Part number <sup>1</sup>	Inductance at 0 Adc <sup>2</sup> ±10% (μH)	Inductance at 6.5 Adc <sup>2</sup> min (μH)	DCR max (Ohms)	Leakage inductance max (μH)	Input	Output	Isolation <sup>3</sup> (Vrms)
IFLY0012L_	6.0	4.8	0.021 (pins 8 - 1) 0.690 (pins 7 - 2) 0.690 (pins 6 - 3) 0.690 (pins 5 - 4)	0.3	9 V – 20 V	-24 V, 170 mA -72 V, 170 mA	500

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

**IFLY0012LD**

**Packaging:** D = 13" machine ready reel. EIA-481 embossed plastic tape (200 parts per full reel). Quantities less than full reel available: in tape (not machine ready) or with leader and trailer (\$25 charge).

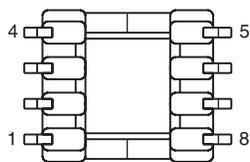
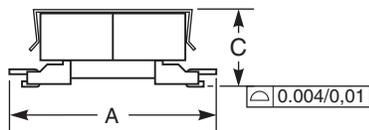
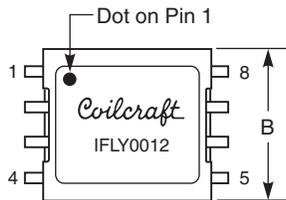
B = Less than full reel. In an effort to simplify our part numbering system, Coilcraft is eliminating the need for multiple packaging codes. When ordering, simply change the last letter of your part number from B to D.

2. Inductance is for the primary, measured at 100 kHz, 1.0 Vrms.

3. Isolation is from primary to secondary, tested for one minute.

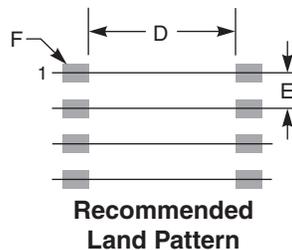
4. Operating temperature range -40°C to +85°C.

5. Electrical specifications at 25°C.

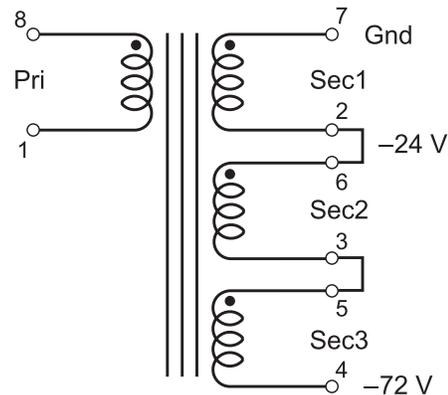


Dimensions are in  $\frac{\text{inches}}{\text{mm}}$

A max	B max	C max	D nom	E nom	F nom
0.925	0.675	0.360	0.591	0.148	0.079 × 0.110 inches
23,5	17,15	9,14	15,01	3,76	2,01 × 2,79 mm



**Recommended Land Pattern**



**Core material** Ferrite

**Terminations** RoHS Matte tin over nickel over phos bronze

**Weight** 5.2 g

**Isolation** 500 Vrms, one minute primary to secondary

**Ambient temperature** -40°C to +85°C

**Storage temperature** Component: -40°C to +85°C.

Tape and reel packaging: -40°C to +80°C

**Moisture Sensitivity Level (MSL)** 1 (unlimited floor life at <30°C / 85% relative humidity)

**Packaging** 200/13" reel Plastic tape: 44 mm wide, 0.4 mm thick, 28 mm pocket spacing, 9.6 mm pocket depth

**PCB washing** Only pure water or alcohol recommended



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