



# Flyback Transformers

For STMicroelectronics  
POTS interface



- Developed for the ST Micro STL3075 and STL3085 Integrated POTS interfaces for home access gateway and WLL.
- Provides negative voltage (-46 V typical) to operate the microchip

**Core material** Ferrite

**Interwinding isolation** 1500 Vdc

**Terminations** RoHS tin-silver over tin over nickel over phos bronze. Other terminations available at additional cost.

**Weight** 1.9 – 2.1 g

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

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

Packaging: -55°C to +80°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)

**Failures in Time (FIT) / Mean Time Between Failures (MTBF)**

38 per billion hours / 26,315,789 hours, calculated per Telcordia SR-332

**Packaging** 350 per 13" reel Plastic tape: 32 mm wide, 0.42 mm thick, 20 mm pocket spacing, 9.16 mm pocket depth

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

Part number <sup>1</sup>	Inductance at 0 A <sup>2</sup> ±8% (µH)	Inductance at I <sub>pk</sub> <sup>3</sup> min (µH)	DCR max (Ohms)		Leakage inductance <sup>4</sup> max (µH)	Turns ratio pri : sec	I <sub>pk</sub> <sup>3</sup> (A)	Input voltage (V)
			pri	sec				
FA2469-AL_	19	14.86	0.036	16.5	0.414	1 : 16	1.5	4.5 – 8.5
FA2470-AL_	19	14.86	0.036	7.92	0.400	1 : 8	1.5	8.5 – 12.0

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

**FA2470-ALD**

**Packaging:** D = 13" machine-ready reel. EIA-481 embossed plastic tape (350 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 for the primary, measured at 10 kHz, 0.1 Vrms, 0 Adc.

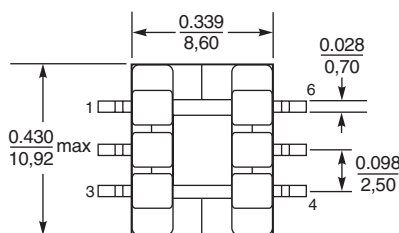
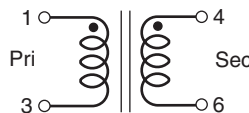
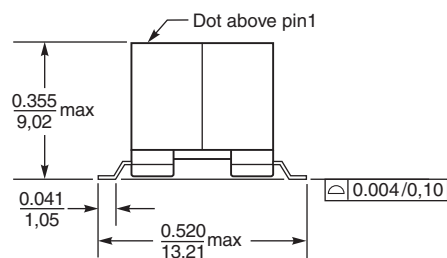
3. I<sub>pk</sub> is peak primary current drawn at minimum input voltage.

4. Leakage inductance measured between pins 1 and 3 with pins 4 and 6 shorted.

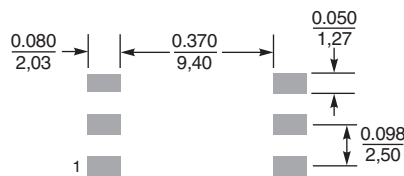
5. Operating temperature range -40°C to +85°C.

6. Electrical specifications at 25°C.

Refer to Doc 362 "Soldering Surface Mount Components" before soldering.



## Recommended Land Pattern



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

**Coilcraft**<sup>®</sup>

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

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1102 Silver Lake Road Cary, Illinois 60013 Phone 847/639-6400 Fax 847/639-1469

E-mail [info@coilcraft.com](mailto:info@coilcraft.com) Web <http://www.coilcraft.com>