



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 ¹	Inductance at 0 A ² ±8% (μH)	Inductance at I _{pk} ³ min (μH)	DCR max (Ohms)		Leakage inductance ⁴ max (μH)	Turns ratio pri : sec	I _{pk} ³ (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.

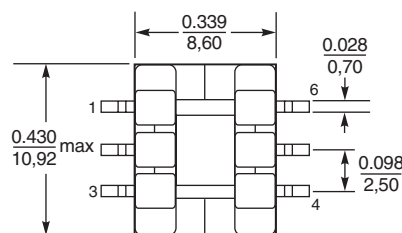
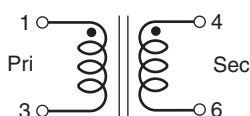
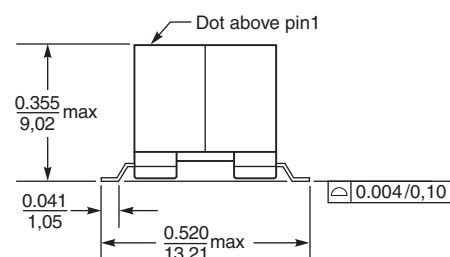
3. I_{pk} is peak primary current drawn at minimum input voltage.

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

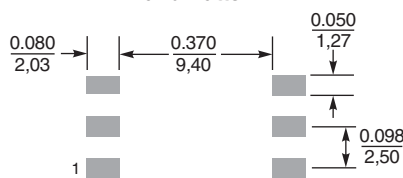
5. Operating temperature range –40°C to +85°C.

6. Electrical specifications at 25°C.

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



Recommended Land Pattern



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

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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 Web <http://www.coilcraft.com>