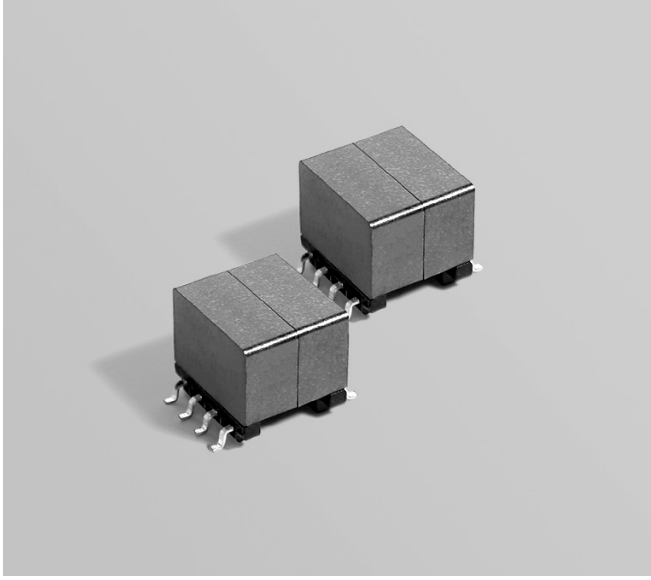
Flyback Transformers

For Silicon Laboratories Si3402 PD Controller



- Designed for Power over Ethernet PD controllers for applications up to 10 Watts.
- Operates in continuous conduction mode with 36 – 72 V input
- 1500 Vrms, one minute isolation between primary and secondary

Core material Ferrite
Terminations RoHS tin-silver over tin over nickel over phos bronze. Other terminations available at additional cost.
Weight 3.8 – 3.9 g
Ambient temperature –40°C to +85°C
Storage temperature Component: –40°C to +85°C. Tape and reel packaging: –40°C to +80°C
Maximum part temperature +125°C (ambient + temp rise)
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 200 per 13″ reel Plastic tape: 32 mm wide, 0.5 mm thick, 24 mm pocket spacing, 11.2 mm pocket depth
PCB washing Tested to MIL-STD-202 Method 215 plus an additional aqueous wash. See Doc787_PCB_Washing.pdf.

Part number[1]	Power (W)	Inductance at 0 A[2] ±10% (µH)	Inductance at Ipk[3] min (µH)	DCR max (Ohms)[4] pri	DCR max (Ohms)[4] sec	Leakage inductance max (µH)[5]	Turns ratio[6] pri : sec	Ipk[3] (A)	Output
FA2671-AL_	10	40.0	36.0	0.098	0.062	0.395	1 : 0.3	1.3	3.3 V, 3.0 A
FA2672-AL_	10	40.0	36.0	0.098	0.045	0.340	1 : 0.4	1.3	5.0 V, 2.0 A
FA2732-AL_	10	40.0	36.0	0.098	0.156	0.370	1 : 1	1.3	12.0 V, 0.83 A

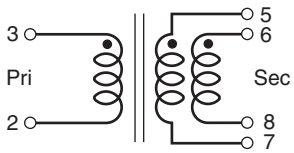
1. When ordering, please specify **packaging** code:

FA2672-ALD

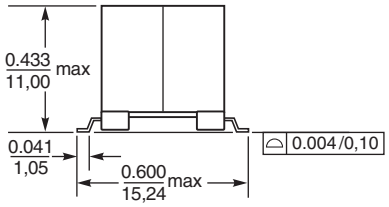
Packaging: **D** = 13″ machine-ready reel. EIA-481 embossed plastic tape (200 parts per full reel).
B = Less than full reel. In tape, but not machine ready. To have a leader and trailer added ($25 charge), use code letter D instead.

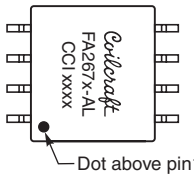
2. Inductance is for the primary, measured at 400 kHz, 0.4 Vrms, 0 Adc.
3. Ipk is peak primary current drawn at minimum input voltage.
4. DCR for the secondary is per winding.
5. Leakage inductance measured between pins 2 and 3 with all secondary pins shorted.
6. Turns ratio is with the secondary windings connected in parallel.
7. Output is with the secondary windings connected in parallel.
8. Electrical specifications at 25°C.

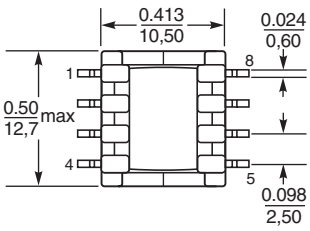
Refer to Doc 362 “Soldering Surface Mount Components” before soldering.

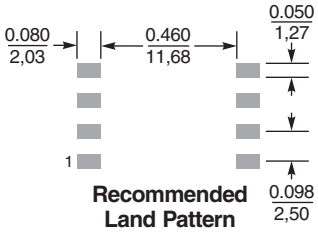


Secondary windings to be connected in parallel on PC board









Recommended Land Pattern

Dimensions are in inches / mm

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