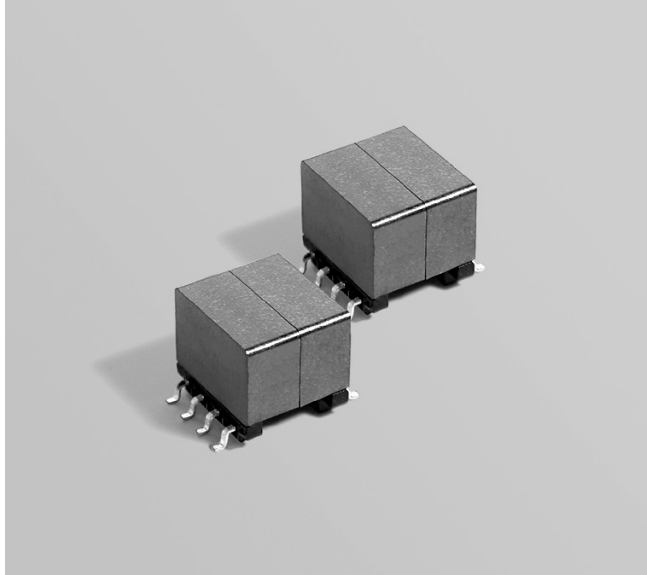




Flyback Transformers

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)

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 I _{pk} ³ min (µH) | DCR max (Ohms) ⁴ | | Leakage inductance max (µH) ⁵ | Turns ratio ⁶ pri : sec | I _{pk} ³ (A) | Output |
|--------------------------|-----------|--|---|-----------------------------|-------|--|------------------------------------|----------------------------------|----------------|
| | | | | pri | sec | | | | |
| FA2671-AL_ | 10 | 40.0 | 36.0 | 0.098 | 0.023 | 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:

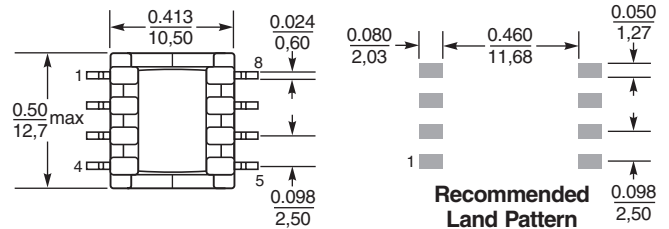
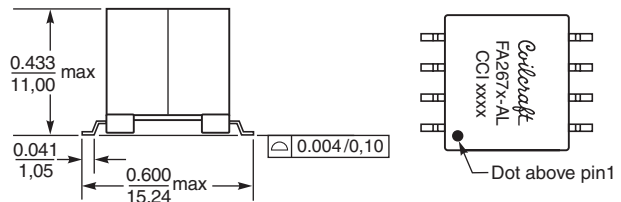
FA2672-ALD

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

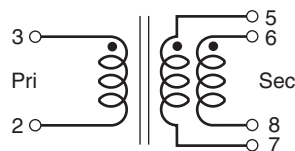
B = Less than full reel. In an effort to simplify our part numbering system, Coilcraft is eliminating the need for multiple packaging codes. When ordering, simply change the last letter of your part number from B to D.

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

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



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



Secondary windings to be connected in parallel on PCB board



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Document 560 Revised 05/11/17

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