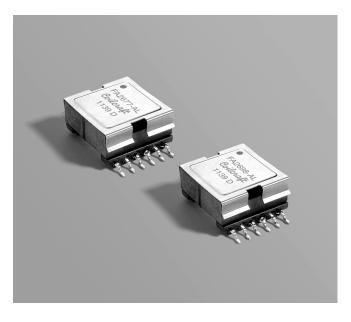


Flyback Transformers For Texas Instruments LM5072 High Power PD



- Designed for 25 Watt PoE application
- Input range from 18 to 57 V
- Primary to secondary isolation: 1500 Vrms
- · Auxiliary winding output: 11 V, 20 mA

Core material Ferrite

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

Weight 13.6 - 13.9 g

Ambient temperature -40°C to +125°C

Storage temperature Component: -40°C to +125°C.

Tape and reel packaging: -40°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 175 per 13" reel; Plastic tape: 44 mm wide, 0.4 mm thick, 32 mm pocket spacing, 11.9 mm pocket depth

PCB washing Tested with pure water or alcohol only. For other solvents, see Doc787_PCB_Washing.pdf

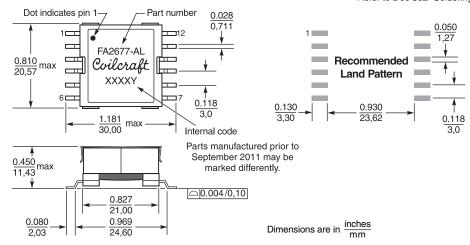
Part	L at 0 A ²	L at Ipk ³	DCR max (mOhms)4			Leakage	Turns ratio ⁶		Ipk ³	
number ¹	±10% (µH)	min (μH)	pri	sec	aux	L (µH)ั⁵	pri:sec	pri:aux	(A)	Output ⁷
FA2677-AL_	50	40.8	26	2.6	328	2.20	1:0.12	1:0.41	2.9	3.3 V, 7.5 A
FA2898-AL_	50	40.8	26	4.0	315	1.05	1:0.18	1:0.41	2.9	5 V, 5 A
FA2899-AL_	50	40.8	26	13	315	0.473	1:0.35	1:0.41	2.9	9 V, 2.8 A
FA2900-AL_	50	40.8	26	20	315	0.409	1:0.47	1:0.41	2.9	12 V, 2.1 A
FA2901-AL_	50	40.8	26	37	305	0.381	1:0.59	1:0.41	2.9	15 V, 1.7 A

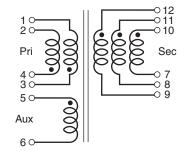
1. When ordering, please specify a packaging code:

FA2898-ALD

- Packaging: D = 13" machine ready reel. EIA-481 embossed plastic tape (175 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 250 kHz, 0.7 Vrms, 0 Adc.
- 3. Ipk is the peak current drawn at minimum input voltage.
- 4. DCR for the primary and the secondary is with windings connected in
- 5. Leakage inductance measured on the primary windings with all secondary pins shorted.
- 6. Turns ratios are with the primary windings and 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.





The primary windings and the secondary windings are to be connected in parallel on the PC board.

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