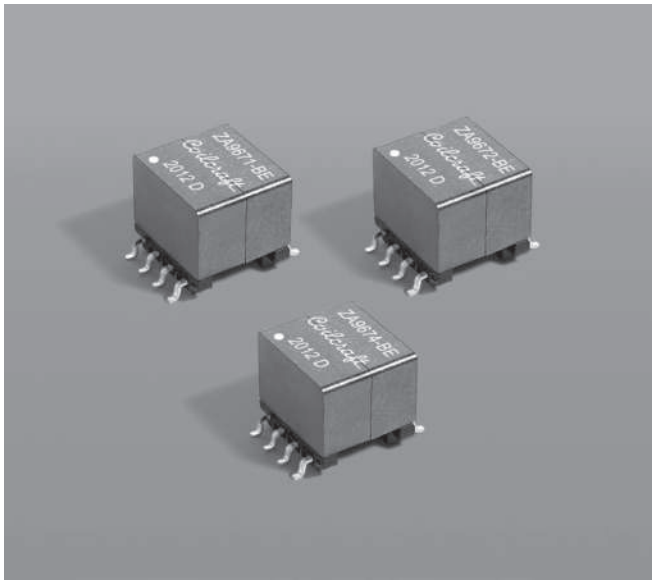
Flyback Transformers

For Texas Instruments LM25184 Flyback Converter



- Five output versions optimized for typical design applications of TI's LM25184 flyback converter
- Designed to operate up to 300 kHz with 4 – 42 V input
- 1500 Vrms, one minute isolation between primary and secondary
- AEC-Q200 Grade 3 (–40°C to +85°C)

Core material Ferrite

Environment RoHS compliant, halogen free

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

Weight 2.73 – 2.80 g

Ambient temperature –40°C to +85°C

Max Part Temperature +125°C (ambient + temperature rise)

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)

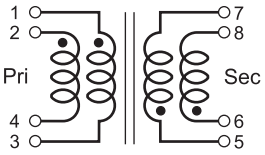
PCB washing Tested to MIL-STD-202 Method 215 plus an additional aqueous wash. See Doc787_PCB_Washing.pdf.

Part number[1]	L at 0 A[2] ±10% (µH)	L min at 5 A[3] (µH)	Leakage inductance max (µH)[4]	DCR max (Ohms) Pri	DCR max (Ohms) Sec	Turns ratio pri : sec	Isolation[5] (Vrms)	Power (W)	Output
ZA9670-BED	9	8.1	0.40	0.047	0.0110	4 : 1	1500	11.55	3.3 V, 3.5 A
ZA9671-BED	9	8.1	0.25	0.047	0.0145	3 : 1	1500	12.5	5 V, 2.5 A
ZA9672-BED	7	6.3	0.10	0.035	0.0480	1 : 1	1500	12	12 V, 1 A
ZA9673-BED	7	6.3	0.10	0.035	0.1380	1 : 2	1500	12	24 V, 0.5 A
ZA9674-BED	9	8.1	0.15	0.047	1.1060	1 : 3	1500	12	48 V, 0.25 A

1. **Packaging:** **D** = 13″ machine-ready reel. EIA-481 embossed plastic tape (350 parts per full reel). Quantities less than full reel available: in tape (not machine ready) or with leader and trailer ($25 charge).
2. Inductance is for the primary, measured at 300 kHz, 0.1 Vrms, 0 Adc.
3. Inductance is for the primary, measured at 300 kHz, 0.1 Vrms, 5 Adc.
4. Leakage Inductance is for the primary, measured with secondary windings shorted together.
5. 1500 Vrms, one minute isolation (hipot) from primary to secondary.
6. Electrical specifications at 25°C.

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

Schematic



Connect pin 1 to 2, pin 3 to 4, pin 5 to 6, and pin 7 to 8 on the PC board

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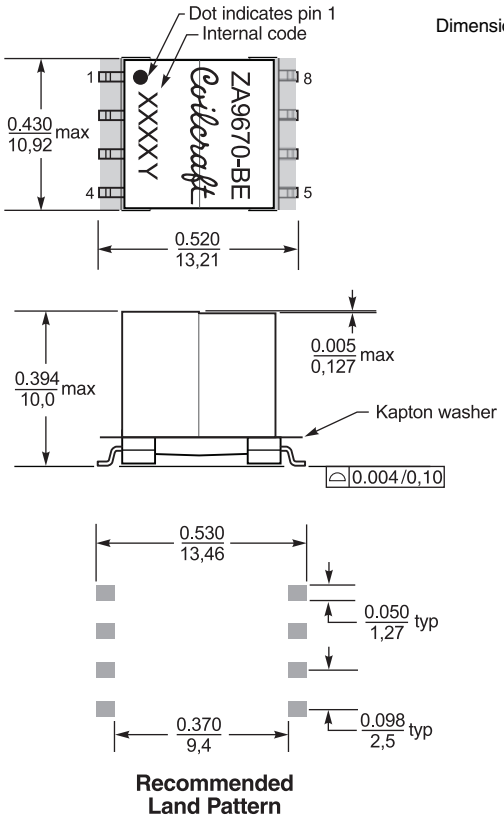
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Document 1628-1 Revised 11/16/21

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Specification subject to change without notice
Please check web site for latest information

Flyback Transformers — ZA967x

Dimensions



Recommended Land Pattern

Packaging 350 per 13″ reel
Plastic tape: 24 mm wide, 0.5 mm thick,
16 mm pocket spacing, 10.4 mm pocket depth

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Document 1628-2 Revised 11/16/21

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