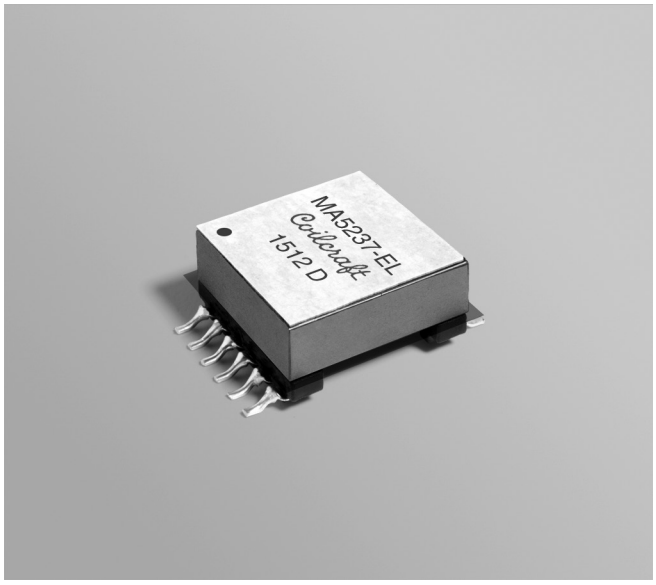
NEW!

RoHS COMPLIANT

SMT Flyback Transformer

For Maxim MAX17498B



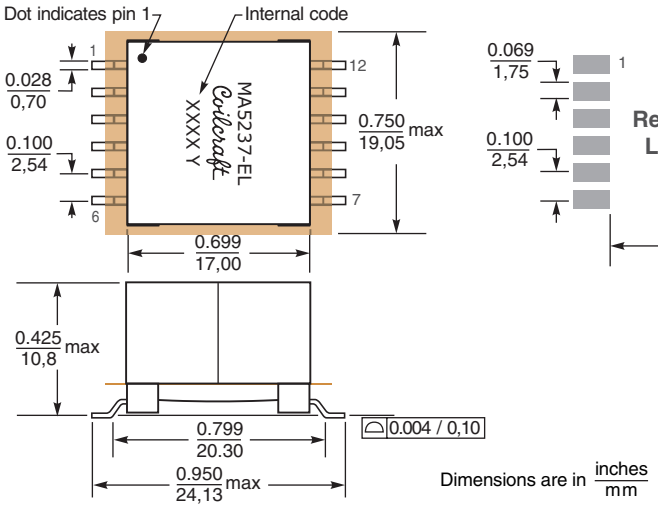
- Flyback transformer developed for Maxim for the MAX17498B Evaluation Kit
- Designed to operate with +18 Vdc to +36 Vdc input
- 3500 Vrms, one minute isolation primary to secondary windings

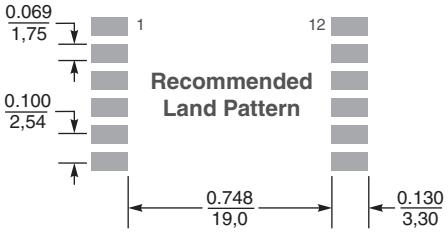
Core material Ferrite
Weight 7.1 g
Terminations RoHS tin-silver over tin over nickel over phos bronze. Other terminations available at additional cost.
Ambient temperature –40°C to +85°C
Maximum part temperature +125°C (ambient + temp rise)
Storage temperature Component: –40°C to +125°C. Tape and reel 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)
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: 44 mm wide, 0.4 mm thick, 24 mm pocket spacing, 11.5 mm pocket depth
PCB washing Tested to MIL-STD-202 Method 215 plus an additional aqueous wash. See Doc787_PCB_Washing.pdf.

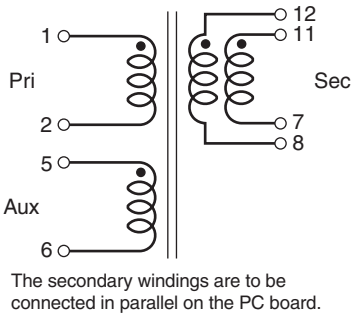
Part number[1]	L at 0 A[2] ±10% (µH)	L at Ipk[3] min (µH)	DCR max (Ohms)[4] pri	sec	aux	Leakage inductance[5] max (µH)	Turns ratio[6] pri:sec	pri:aux	Ipk[3] (A)	Output[7]
MA5237-EL_	60.0	54.0	0.11	0.035	0.17	0.565	1:0.5	1:0.25	1.5	5 V, 1.5 A

1. When ordering, please specify **packaging** code:
   MA5237-ELD
   Packaging: **D** = 13″ machine ready reel. EIA-481 embossed plastic tape (200 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 500 kHz, 0.1 Vrms.
3. Peak primary current drawn at minimum input voltage.
4. DCR for the secondary is with windings connected in parallel.
5. Leakage inductance is for the primary, measured with the secondary windings shorted.
6. Turns ratio is with the the secondary windings connected in parallel.
7. Output of the secondary is with the windings connected in parallel. Aux winding output is 2.5 V, 20 mA.
8. Electrical specifications at 25°C.

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







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

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