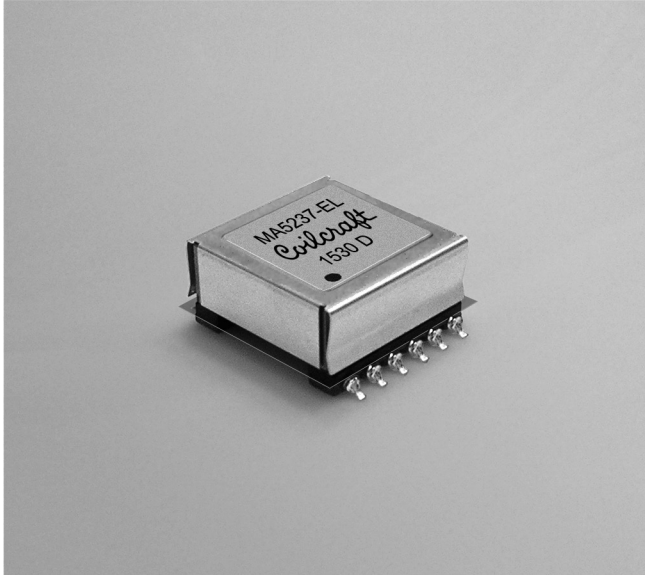


SMT Flyback Transformer

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)

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

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

MA5237-ELD

Packaging: D = 13" machine ready reel. EIA-481 embossed plastic tape (200 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.

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.

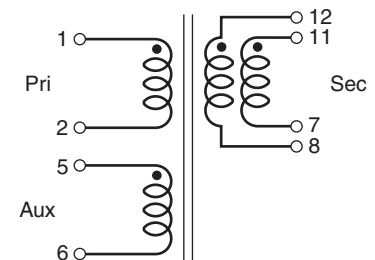
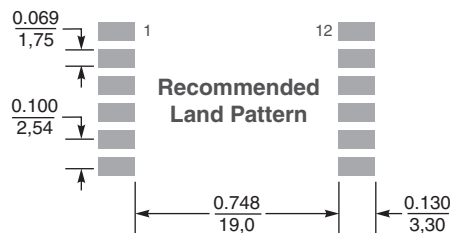
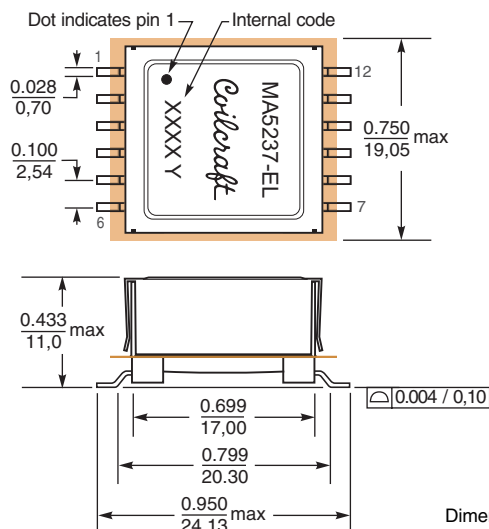
6. Turns ratio is with the the secondary windings connected in parallel.

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 PCB.

Dimensions are in inches
mm

Coilcraft
www.coilcraft.com

US +1-847-639-6400 sales@coilcraft.com
UK +44-1236-730595 sales@coilcraft-europe.com
Taiwan +886-2-2264 3646 sales@coilcraft.com.tw
China +86-21-6218 8074 sales@coilcraft.com.cn
Singapore + 65-6484 8412 sales@coilcraft.com.sg

Document 1067 Revised 08/03/21

© Coilcraft Inc. 2021

This product may not be used in medical or high risk applications without prior Coilcraft approval. Specification subject to change without notice. Please check web site for latest information.