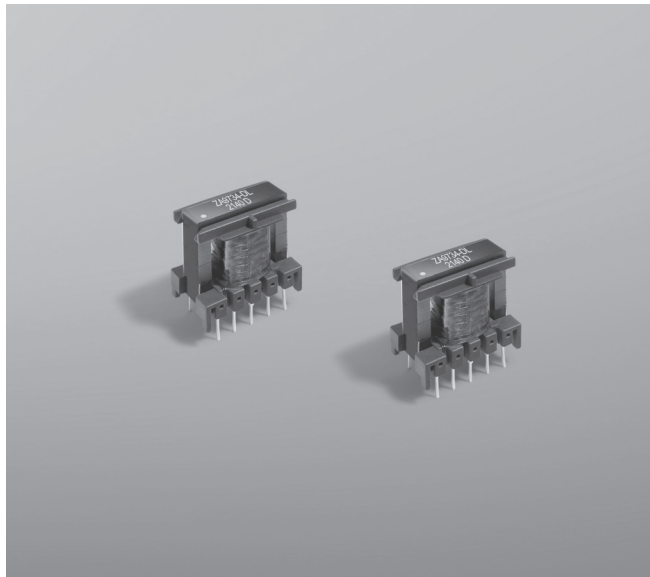




Flyback Transformer

Discontinuous Mode Flyback Transformer



- Designed for MAXREFDES1249 Miniature Universal Input AC/DC Converter (86 V – 305 V AC)
- Transformer optimized for 88 V – 440 V 125 KHz Input and delivers 36 W at 48 V DC, 0.75 A
- Ideal for Power over Ethernet (PoE) and telecommunication applications
- 4500 Vrms, one minute isolation (hipot) from the primary and aux to the secondary winding
- AEC-Q200 qualified

Core material Ferrite

Terminations RoHS tin-silver over tin over copper clad steel. Other terminations available at additional cost.

Weight 11 g

Ambient temperature –40°C to +125°C

Max part temperature +125°C

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

Tray packaging: –40°C to +80°C

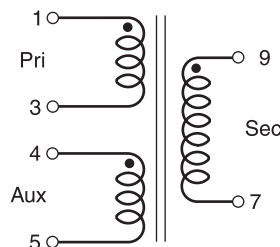
Moisture Sensitivity Level (MSL) 1 (unlimited floor life at <30°C / 85% relative humidity)

Packaging 117 parts per tray

PCB washing Only pure water or alcohol recommended

Part number	Power (W)	L at 0 A ¹ ±10% (μH)	L at 2.5 A ² min (μH)	DCR max (Ohms)			Leakage inductance ³ max (μH)	Turns ratio pri : sec : aux	Isolation ⁴ (A)	Output ⁵
				pri	sec	aux				
ZA9734-DL	36	115	103.5	0.420	0.305	0.551	1.25	1 : 0.882 : 0.294	4500	48 V, 0.75 A

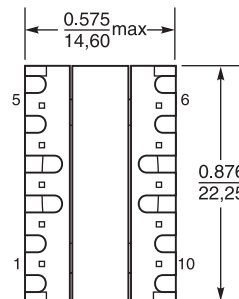
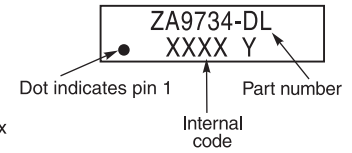
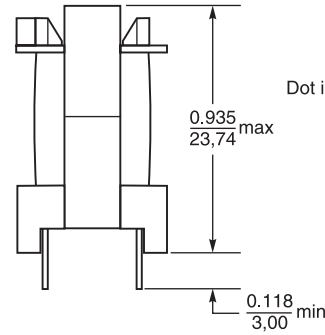
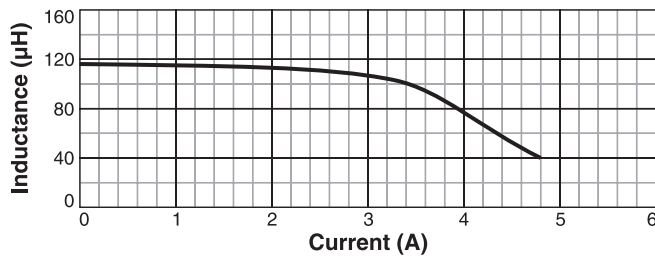
1. Inductance measured at 125 kHz, 0.5 Vrms, 0 Adc.
 2. Peak primary current drawn at minimum input voltage.
 3. Leakage inductance is for the primary and is measured with the secondary shorted.
 4. 4500 Vrms isolation (hipot) from primary to secondary; 1500 Vrms isolation between primary and auxiliary.
 5. Output is for the secondary. Aux winding output is 12 V, 0.02 A.
 6. Electrical specifications at 25°C.
- Refer to Doc 362 "Soldering Surface Mount Components" before soldering.



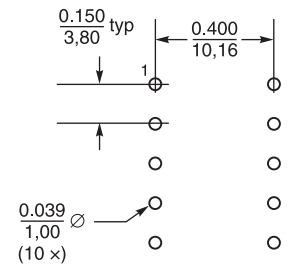


Flyback Transformer – ZA9734-DL

Typical L vs Current



Recommended PC Board Layout



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



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 1708-2 Revised 03/08/23

© Coilcraft Inc. 2025

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.