

Forward Transformer

EPC3736G-LF

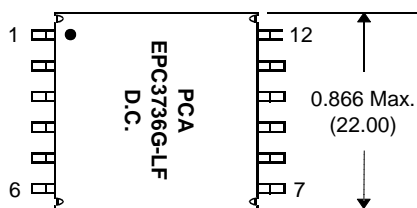


- 90W PoE Synchronous Forward Transformer
- Designed to work with LTC3725
- Lead Free
- Class B Insulation System
- Switching Frequency : 200kHz
- Duty Cycle : 65% Max.
- Switching Ipeak : 7A
- Operating Temperature : -40°C to +125°C
- Storage Temperature : -40°C to +125°C

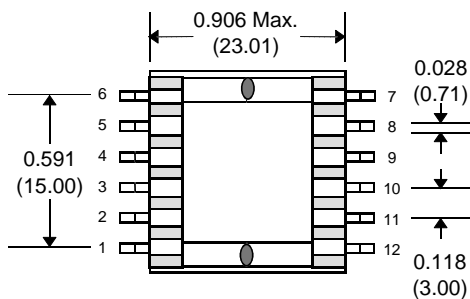
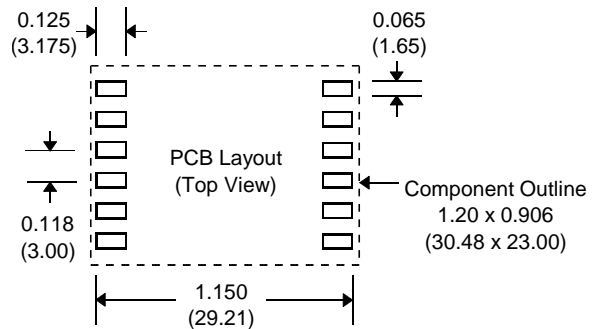
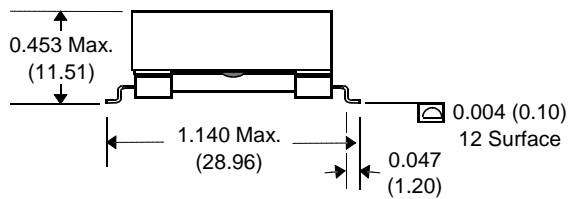
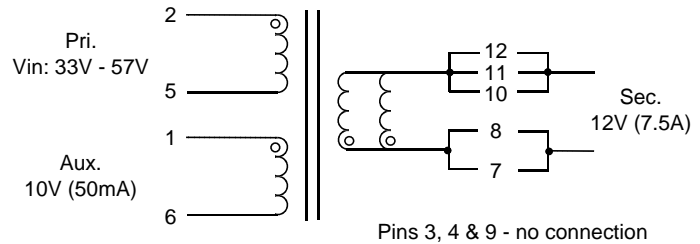
Electrical Parameters @ 25°C

Inductance ($\mu\text{H} \pm 10\%$)	Leakage Inductance ($\mu\text{H Max.}$)	Cw-w (pF Max.)	Turns Ratio	DCR (m Ω Max.)			Hipot (Vrms)	
				Pri.	Aux.	Sec.	Wdgs. to Core	Pri. & Aux. to Sec.
@ 100 KHz, 1.0 Vrms	@ 100 KHz, 0.1 Vrms	@ 100 KHz, 0.1 Vrms					60Hz, 60 secs.	
180	0.45	250	1.5 : 0.875 : 1	25	200	10	1500	1500
Pri.	Pri. w/ Aux. and Sec. shorted	Pri. to Aux. and Sec.	Pri. : Aux. : Sec.	Pri.	Aux.	Sec.	Wdgs. to Core	Pri. & Aux. to Sec.

Package



Schematic



Notes :	EPC3736G-LF
1. Lead Finish	Hot Tin Dip (Sn) or SnCu
2. Peak Solder Rating (for wave solder process Only)	260°C
3. Weight	TBD
4. Packaging Information (Tray)	40 pcs / Tray

Unless Otherwise Specified Dimensions are in Inches /mm $\pm .010 / .25$