

Features

- 13 W PoE
- 1.5 kVrms isolation voltage
- Supports IEEE 802.3af compliant, integrated PoE PD and PWM controllers
- UL 94V-0 rated bobbin
- UL 1446 Class B Insulation System
- RoHS compliant*

SM13117EL - PoE Flyback Transformer

Electrical Specifications @ 25 °C

			DCR (mΩ) Max.					
Bourns Part Number	Power (W)	L3-4 (µH) ± 10 % @ 250 kHz / 0.1 V	3-4	2-1	7,8 (short) – 9,10 (short)	Turns Ratio ± 3 % (3-4) : (2-1) : (7-9) : (8-10)	Input	Output
SM13117EL	13	127	199	308	33	1 : 0.5 : 0.5 : 0.5	36-72 Vdc 250 kHz	12 Vdc @ 1.08 A

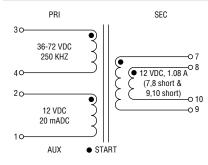
General Specifications

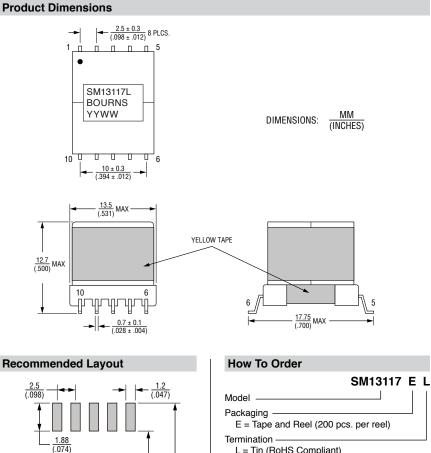
Primary (3-4) Leakage Inductance (250 kHz, 0.1 V Aux. Sec. shorted)
2.0 μH Max.
Hi-Pot
Pri/Sec1.5 kVac, 2 mA, 2 Sec.
Pri/Aux, Pri/core, Sec/core
0.5 kVAC, 2 mA, 2 Sec.
Operating Temperature40 to +125 °C
(temperature rise included)
Storage Temperature (Component)
40 to +125 °C
Moisture Sensitivity Level1
ESD Classification (HBM)N/A

Materials

Core	Ferrite
Wire	Enameled copper
Terminal Finish	Sn
Packaging	200 pcs. per 13-inch reel

Electrical Schematic





 $\frac{14.48}{(.570)}$ $\frac{18.24}{(.718)}$

L = Tin (RoHS Compliant)



*RoHS Directive 2015/863, Mar 31, 2015 and Annex.

Specifications are subject to change without notice.

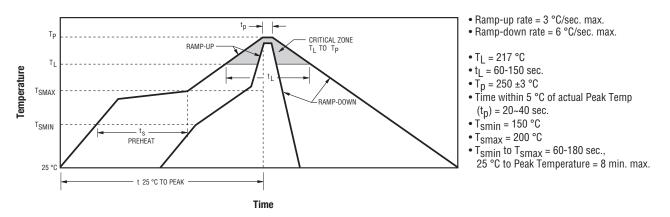
Users should verify actual device performance in their specific applications.

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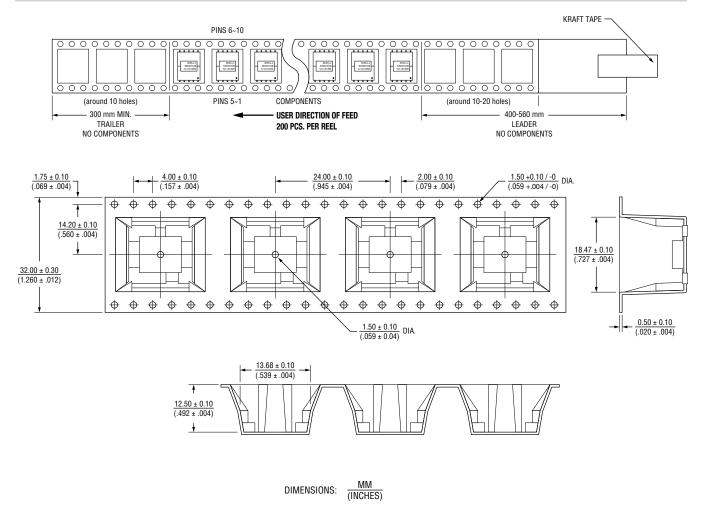
Solder Profile



SM13117EL - PoE Flyback Transformer

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Packaging Specifications



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