

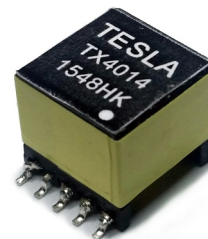


TX4014 PoE+ Flyback Transformer



Features:

- Designed for Flyback PoE applications up to 25 Watts
- Class F Insulation System
- Operating Temperature: -40°C to +125°C
- Storage Temperature: -20°C to +60°C
- Switching Frequency: 250kHz-400kHz

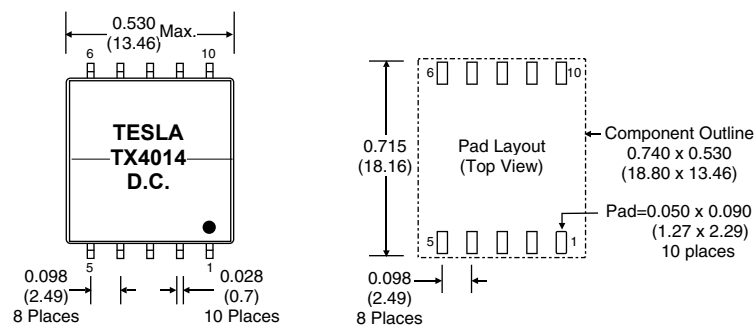


Electrical Specifications @25°C

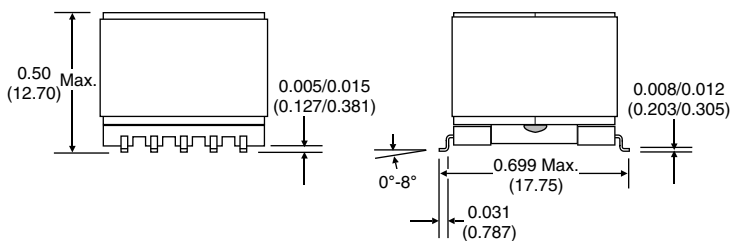
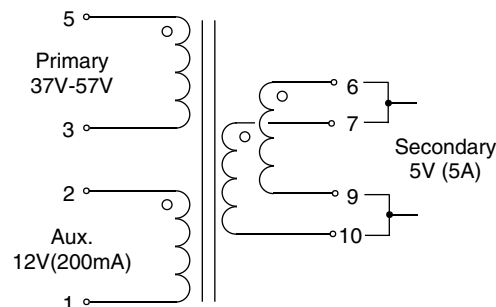
Inductance ¹ ($\mu\text{H} \pm 10\%$)	Le ² ($\mu\text{H max.}$)	DCR (m Ω max.)			Saturation Current (A typ.)	Turns Ratio Pri.:Sec.:Aux.	Output		Isolation ³	
		Pri.	Sec.	Aux.			Secondary	Auxiliary	Pri./Aux. To Sec.	Pri. To Aux.
38	0.625	100	4.5	242	3.3	5:1:2.5	5V(5A)	12V(200mA)	1500Vrms	500Vrms

- Notes:
1. Primary inductance measured at 100kHz;0.1Vrms.
 2. Leakage inductance measured at 100kHz;0.1Vrms with Sec. & Aux. windings shorted.
 3. 1 minute isolation between primary/auxiliary to secondary winding.

Dimensions

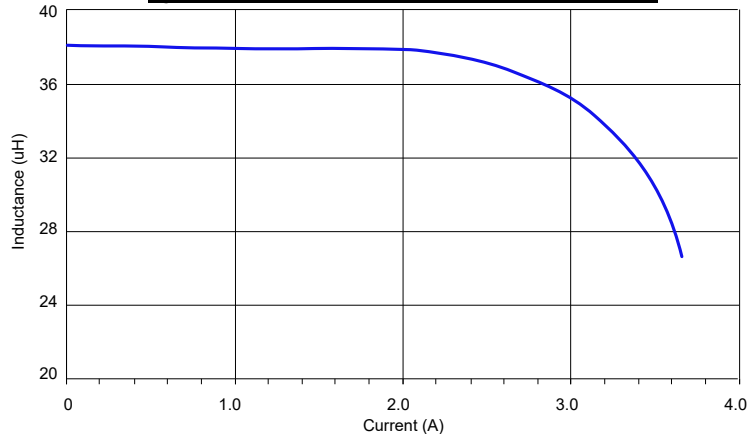


Schematic



All Dimensions are in inches (mm).

Typical Inductance vs Current Characteristic



- Product weight: 6.6 grams
- Moisture sensitivity level: 1
- Resistance to solder heat: 245°C
- Ordering Information:
 - TX4014 -Tube Packaging (39pcs./Tube)
 - TX4014T - Tray packaging (80pcs./Tray)
 - TX4014TR - Tape & Reel (200pcs./ 13"Reel)