



# TX4006

## 25W Flyback Transformer



### Features:

- Designed for Flyback PoE applications up to 25 Watts
- Designed to work with LT3575 & LT3748
- Class B Insulation System
- Operating Temperature: -40°C to +125°C
- Storage Temperature: -40°C to +125°C
- Isolation: 1500Vrms
- Switching Frequency: 250kHz



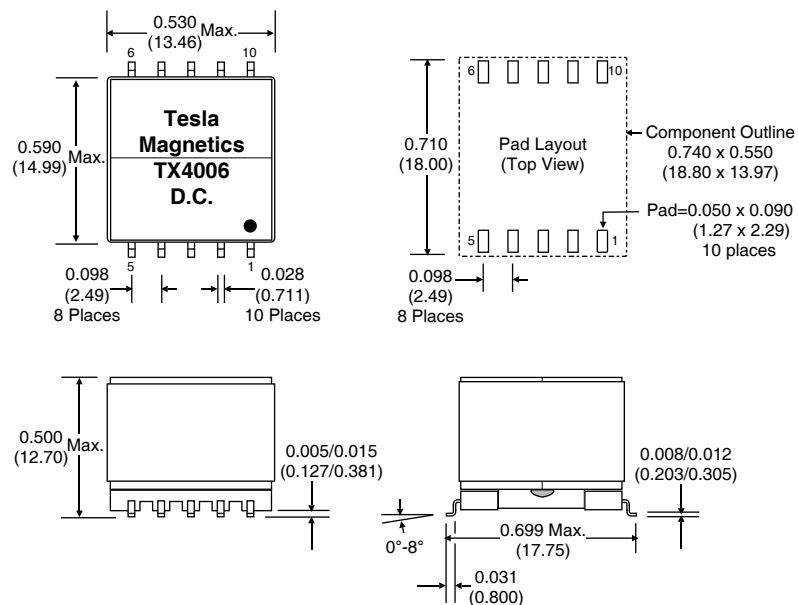
### Electrical Specifications @25°C

Inductance <sup>1</sup> ( $\mu\text{H} \pm 10\%$ )		Le <sup>2</sup> (nH max.)		DCR ( $\Omega$ max.)			Turns Ratio	Ipk <sup>3</sup> (A)	Output		Isolation	
Pri.	Pri.	Pri.	Sec.	Aux.	Pri.:Sec.:Aux.	Pri.	Secondary	Auxiliary	Pri./Aux. To Sec.	Pri. To Aux.		
37	750	0.089	0.028	0.096	2:1:1.098	2.8	12V(2.1A)	12V(30mA)	1500Vrms	500Vrms		

### Notes:

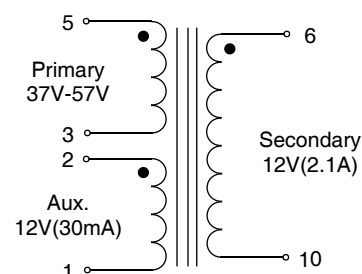
1. Primary inductance measured at 10kHz;0.1Vrms.
2. Leakage inductance measured at 100kHz;10mVrms with secondary & auxiliary windings shorted.
3. Primary peak current at minimum input voltage.
4. 1 minute isolation between primary/auxiliary to secondary winding.

### Dimensions



All Dimensions are in inches (mm).

### Schematic



- Product weight: 6.6 grams
- Moisture sensitivity level: 1
- Resistance to solder heat: 245°C
- Ordering Information:
  - TX4006 -Tube Packaging (39pcs./Tube)
  - TX4006T - Tray packaging (80pcs./Tray)
  - TX4006TR - Tape & Reel (200pcs./ 13"Reel)