

# Power over Ethernet (PoE/PD) 13 Watts Flyback Transformer

## EPC3356G-X & EPC3356G-X-LF



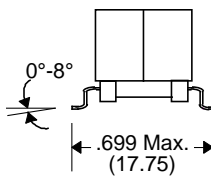
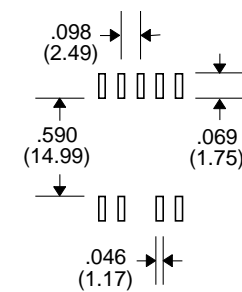
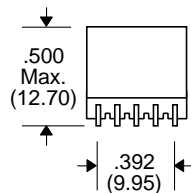
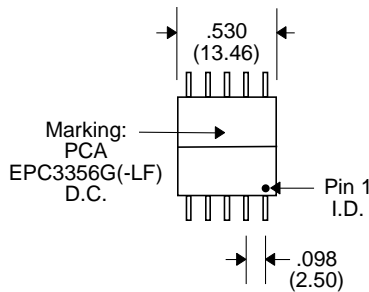
- Used in SMPS DC/DC Converter as a Flyback Transformer in PoE/Powered Devices (PD)
- Add "-LF" after part number for Lead Free
- UL 94V-0 Recognized Components
- UL 1446 Class B Insulation System
- Switching Frequency : 250 KHz
- Low Core Loss Material

### Electrical Specifications @ 25°C

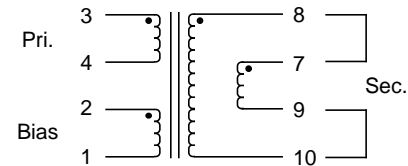
Part Number	Primary Inductance @ 250 KHz, 0.2 Vrms, 0 Adc	Primary Inductance ( $\mu$ H Min.) @ Vin = 36 Vdc	DCR ( Max.)			Leakage Inductance ( $\mu$ H Max.)	Turns Ratio		Ipk @ Vin = 36 Vdc	Output
			Pri.	Bias	Sec.		Pri. : Sec.	Pri. : Bias		
EPC3356G-3.3(-LF)	127 $\mu$ H $\pm$ 10%	114.3	.255	.310	.012	1.25	1 : 0.166	1 : 0.50	1.0	3.3 V, 4.0 A
EPC3356G-5(-LF)	127 $\mu$ H $\pm$ 10%	114.3	.222	.348	.0195	.950	1 : 0.25	1 : 0.50	1.0	5.0 V, 2.6 A
EPC3356G-12(-LF)	127 $\mu$ H $\pm$ 10%	114.3	.199	.308	.0645	.650	1 : 0.50	1 : 0.50	1.0	12 V, 1.08 A

• Isolation : Pri., Bias to Sec. ; 1500 Vrms • Operating Temperature : -40°C to +85°C • Bias : 12 V / 20 mA •

### Package



### Schematic



Notes :	EPC3356G-X	EPC3356G-X-LF
1. Lead Finish	SnPb	Hot Tin Dip (Sn)
2. Peak Solder Rating	225°C	245°C
3. Moisture Sensitive Levels (MSL)	1 (Unlimited, 30°C/60%RH)	1 (Unlimited, 30°C/60%RH)
4. Weight	TBD grams	TBD grams
5. Packaging Information (Tube)	TBD pcs / tube	TBD pcs / tube

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