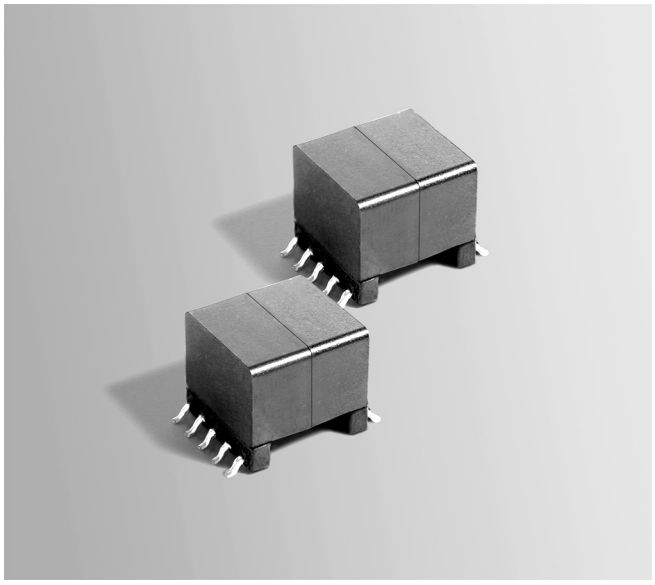
NEW!

Flyback Transformer

For Texas Instruments TPS23753A PoE controller



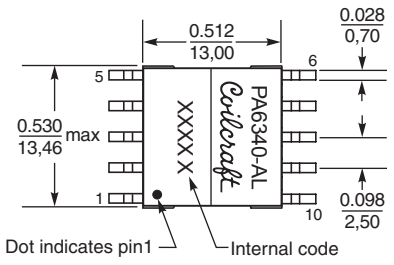
- Flyback transformer for 10 W PoE applications
- Developed to work with TI TPS23753A PoE controller
- 1500 Vrms isolation (hipot), one minute from primary and bias to secondary and sync

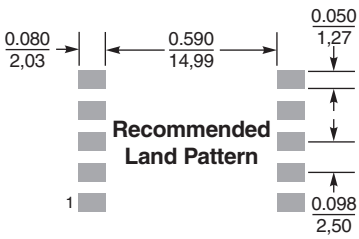
Core material Ferrite
Terminations RoHS tin-silver (96.5/3.5) over tin over nickel over phos bronze.
Weight 6.2 g
Ambient temperature –40°C to +85°C
Maximum part temperature +125°C (ambient + temp rise)
Storage temperature Component: –40°C to +125°C. Tape and reel packaging: –40°C to +80°C
Resistance to soldering heat Max three 40 second reflows at +260°C, parts cooled to room temperature between cycles
Moisture Sensitivity Level (MSL) 1 (unlimited floor life at <30°C / 85% relative humidity)
Failures in Time (FIT) / Mean Time Between Failures (MTBF) 38 per billion hours / 26,315,789 hours, calculated per Telcordia SR-332
Packaging 175 per 13″ reel Plastic tape: 32 mm wide, 0.5 mm thick, 28 mm pocket spacing, 12.93 mm pocket depth
PCB washing Tested to MIL-STD-202 Method 215 plus an additional aqueous wash. See Doc787_PCB_Washing.pdf.

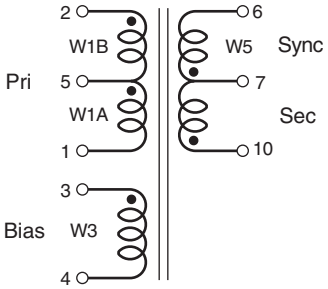
Part number[1]	L at 0A[2] ±7% (µH)	L at Ipk[3] min (µH)	DCR max (Ohms)[4] pri	sec	bias	sync	Leakage inductance max (µH)[5]	Capacitance[6] max (pF)	Turns ratio[7] pri : sec : bias : sync	Output[8]
PA6340-AL_	133.0	123.7	0.330	0.0135	0.230	0.190	1.50	70	1 : 0.167 : 0.361 : 0.167	5.0 V, 2.0 A

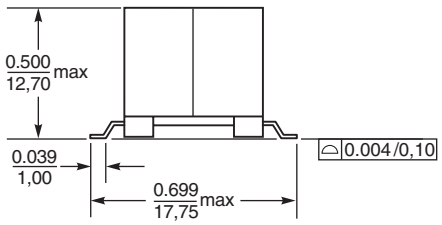
1. When ordering, please specify **packaging** code:
   PA6340-ALD
   Packaging: D = 13″ machine-ready reel. EIA-481 embossed plastic tape (175 parts per full reel).
   B = Less than full reel. In tape, but not machine ready. To have a leader and trailer added ($25 charge), use code letter D instead.
2. Inductance is for the primary, measured at 1 kHz, 0.5 Vrms, 0 Adc.
3. Peak primary current (1.1 A) drawn at minimum input voltage.
4. DCR for the primary is from pin 1 to pin 2.
5. Leakage inductance measured between pins 1 and 2 with all other windings shorted.
6. Capacitance is measured from pins 1,2 to pins 6,10 at 250 kHz, 0.5 Vrms.
7. Turns ratio is with the primary windings connected in series.
8. Output is between pins 7 and 10. Bias winding output is 10 V, 20 mA. Sync winding output is a 5 V Sync FET gate drive signal.
9. Electrical specifications at 25°C.

Refer to Doc 362 “Soldering Surface Mount Components” before soldering.









Dimensions are in inches / mm

Coilcraft
www.coilcraft.com

US +1-847-639-6400 sales@coilcraft.com
UK +44-1236-730595 sales@coilcraft-europe.com
Taiwan +886-2-2264 3646 sales@coilcraft.com.tw
China +86-21-6218 8074 sales@coilcraft.com.cn
Singapore + 65-6484 8412 sales@coilcraft.com.sg