NEW!

Flyback Transformer

For Freescale Semiconductor MC34670 PD Interface

- Designed for 13 W IEEE 802.3af-compliant PoE applications
- Operates with 36 – 80 Volts input
- 1500 Vrms isolation between the primary and the secondary

Core material Ferrite

Terminations RoHS tin-silver over tin over nickel over phos bronze. Other terminations available at additional cost.

Weight 6.3 g

Ambient temperature –40°C to +85°C

Storage temperature Component: –40°C to +85°C. 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 Only pure water or alcohol recommended

Part number[1]	Power (W)	Inductance at 0 A[2] ±10% (µH)	Inductance at Ipk[3] min (µH)	DCR max (Ohms)[4] pri	bias	sec	Leakage inductance[5] max (µH)	Turns ratio[6] pri : sec	pri : bias	Ipk[3] (A)	Output[7]
DA2362-AL_	13	127	114.3	0.222	0.405	0.039	0.950	1 : 0.250	1 : 0.594	1.0	5 V, 2.6 A

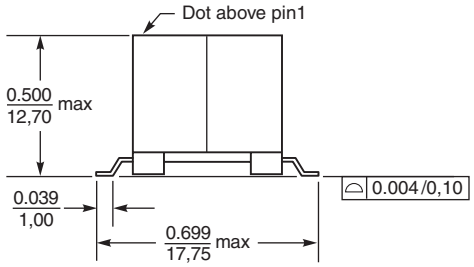
1. When ordering, please specify **packaging** code:

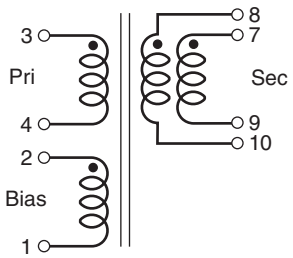
   DA2362-AL D

   Packaging: D = 13″ machine-ready reel. EIA-481 embossed plastic tape (175 parts per full reel).

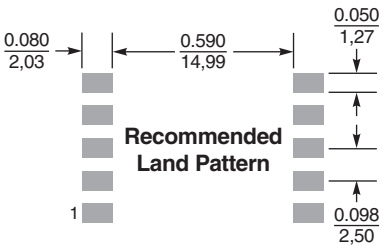
   B = Less than full reel. In tape, but not machine ready. To have a leader and trailer added ($25 charge), use code letter D instead.
2. Inductance is for the primary, measured at 250 kHz, 0.2 Vrms, 0 Adc.
3. Peak primary current drawn at minimum input voltage.
4. DCR for the secondary is per winding.
5. Leakage inductance measured between pins 3 and 4 with secondary pins shorted.
6. Turns ratio is with the secondary windings connected in parallel.
7. Output of the secondary is with the windings connected in parallel. Bias winding output is 12 V, 20 mA.
8. Electrical specifications at 25°C.

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

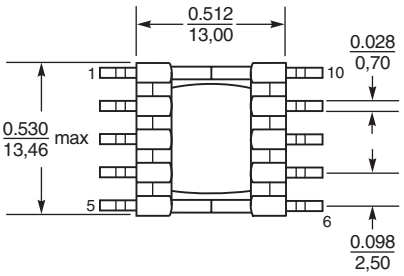




Secondary windings to be connected in parallel on PC board



Dimensions are in inches / mm



Coilcraft®

Specifications subject to change without notice.
Please check our website for latest information.

Document 563 Revised 10/29/08

1102 Silver Lake Road Cary, Illinois 60013 **Phone** 847/639-6400 **Fax** 847/639-1469
E-mail info@coilcraft.com **Web** http://www.coilcraft.com