

**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 phosphor 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 I _{pk} ³ min (μH)	DCR max (Ohms) ⁴			Leakage inductance ⁵ max (μH)	Turns ratio ⁶		I _{pk} ³ (A)	Output ⁷
				pri	bias	sec		pri : sec	pri : bias		
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:

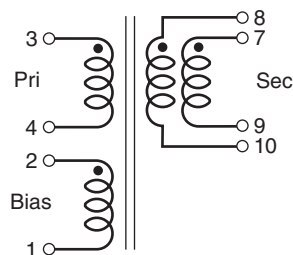
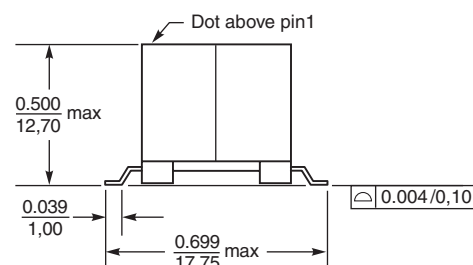
DA2362-ALD

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

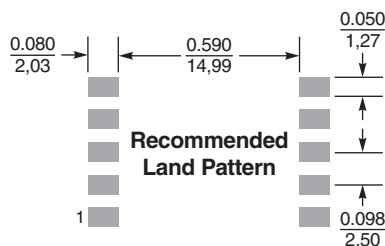
B = Less than full reel. In tape, but not machine ready. To have a leader and trailer added (\$25 charge), use code letter D instead.

- Inductance is for the primary, measured at 250 kHz, 0.2 Vrms, 0 Adc.
- Peak primary current drawn at minimum input voltage.
- DCR for the secondary is per winding.
- Leakage inductance measured between pins 3 and 4 with secondary pins shorted.
- Turns ratio is with the secondary windings connected in parallel.
- Output of the secondary is with the windings connected in parallel. Bias winding output is 12 V, 20 mA.
- Electrical specifications at 25°C.

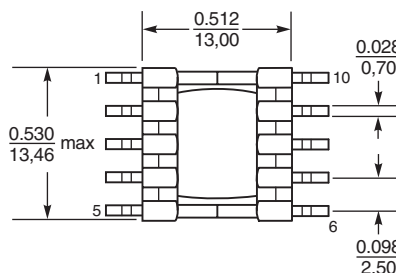
Refer to Doc 362 "Soldering Surface Mount Components" before soldering.



Secondary windings to be connected in parallel on PCB board



Dimensions are in inches
mm



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

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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>

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