



**NEW!**

# Flyback Transformer

For National Semiconductor LM5015  
Two-Switch DC-DC Regulator



- Referenced on NSC application notes AN-1724 and AN-1725
- Designed to operate at 250 kHz in continuous conduction mode with 36 – 72 Volts input
- 1500 Vrms isolation from the primary and auxiliary to the secondary

**Core material** Ferrite

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

**Weight** 6.0 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 <sup>1</sup>	Power (W)	Inductance at 0 A <sup>2</sup> ±10% (µH)	Inductance at I <sub>pk</sub> <sup>3</sup> min (µH)	DCR max (Ohms) <sup>4</sup>			Leakage inductance <sup>5</sup> max (µH)	Turns ratio <sup>6</sup>		I <sub>pk</sub> <sup>3</sup> (A)	Output <sup>7</sup>
				pri	sec	aux		pri : sec	pri : aux		
GA3372-AL_	13	102.0	91.8	0.185	0.0175	0.270	0.780	1 : 0.25	1 : 0.50	1.2	5 V, 2.6 A

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

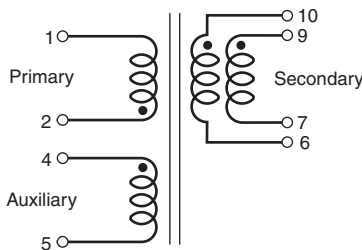
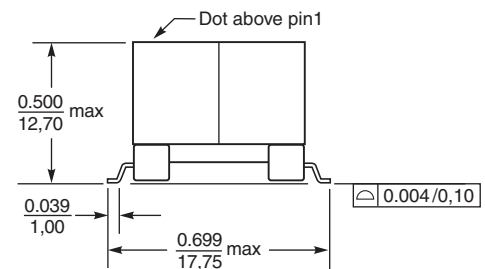
**GA3372-AL D**

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

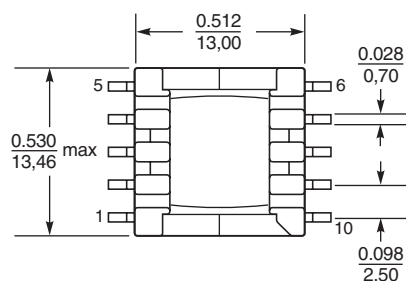
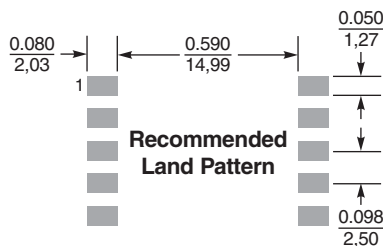
**B** = Less than full reel. In tape, but not machine ready. To have a leader and trailer added (\$25 charge), use code letter D instead.

- Inductance measured at 250 kHz, 0.7 Vrms, 0 Adc.
- Peak primary current drawn at minimum input voltage.
- DCR for the secondary is with windings connected in parallel.
- Leakage inductance is for the primary and is measured with the secondary shorted.
- Turns ratio is with the secondary windings connected in parallel.
- Output of the secondary is with the windings connected in parallel. Auxiliary winding output is 10 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 PC board



Dimensions are in inches mm

**Coilcraft**<sup>®</sup>

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

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