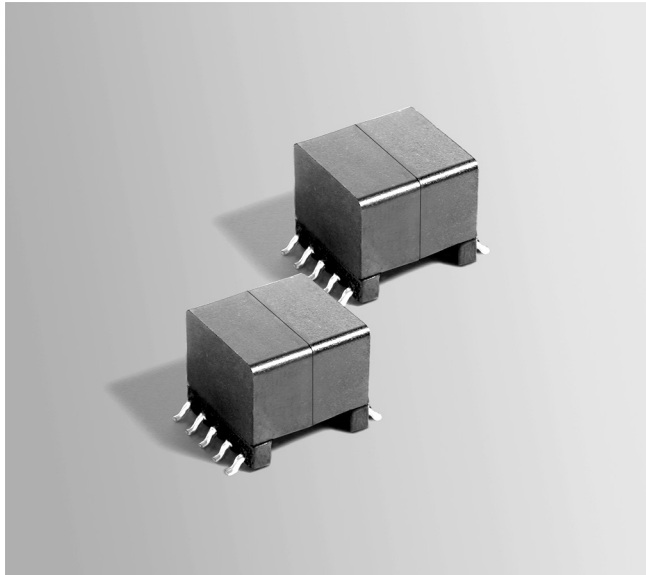


**NEW!**

# Flyback Transformer

For TI TPS55340  
DC-DC Regulator

- Developed for Texas Instruments TPS55340 Boost/SEPIC/Flyback DC-DC Regulator
- Designed to operate at 200 kHz with 2.9–32 Volts input
- 1500 Vrms, one minute isolation from primary windings to secondary windings

**Core material** Ferrite**Terminations** RoHS tin-silver over tin over nickel over phos bronze. Other terminations available at additional cost.**Weight** 6.5 g**Ambient temperature** –40°C to +85°C**Storage temperature** Component: –40°C to +85°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 with pure water or alcohol only. For other solvents, see Doc787\_PCB\_Washing.pdf

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> pri : sec	I <sub>pk</sub> <sup>3</sup> (A)	Output <sup>7</sup>
				pri	sec				
NA5889-AL_	12	12	10.8	0.03	0.0195	0.140	1 : 0.833	5.5	12 V, 1 A

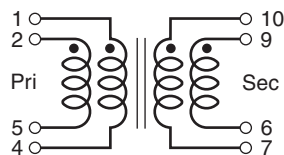
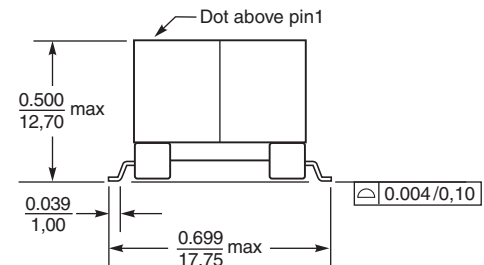
1. When ordering, please specify **packaging** code:

NA5889-ALD

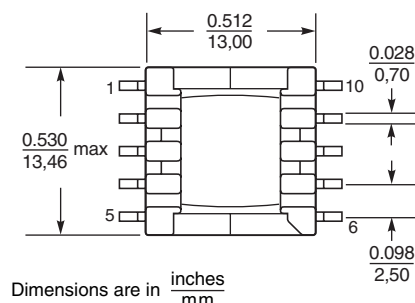
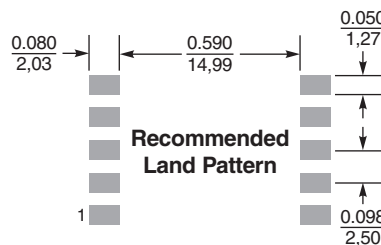
**Packaging:** D = 13" machine-ready reel. EIA-481 embossed plastic tape (175 parts per full reel).**B** = Less than full reel. In tape, but not machine ready. To have a leader and trailer added (\$25 charge), use code letter D instead.

- Inductance measured at 200 kHz, 1.0 Vrms, 0 Adc.
- Peak primary current drawn at minimum input voltage.
- DCR for the primary and 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 primary and the secondary windings connected in parallel.
- Output of the secondary is with the windings connected in parallel.
- Electrical specifications at 25°C.

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



Primary windings and secondary windings to be connected in parallel on PC board

Dimensions are in inches  
mm

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