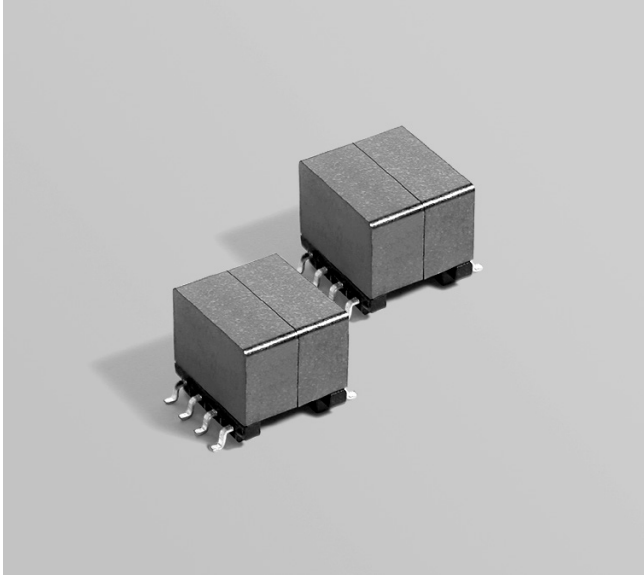


**NEW!**

# Flyback Transformer

For Linear Technology  
LT8584

- Developed for Linear Technology LT8584 Isolated Monolithic Active Cell Balancer
- Designed to operate at 140 kHz
- Rated for 7–12 Watts
- 1500 Vrms, one minute isolation between primary and secondary

**Core material** Ferrite**Terminations** RoHS tin-silver-copper over tin over nickel over phos bronze. Other terminations available at additional cost.**Weight** 3.9 – 4.2 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

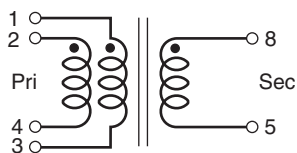
**Packaging** 200 per 13" reel Plastic tape: 32 mm wide, 0.5 mm thick, 24 mm pocket spacing, 11.2 mm pocket depth**PCB washing** Tested with pure water or alcohol only. For other solvents, see Doc787\_PCB\_Washing.pdf

Part number <sup>1</sup>	Input voltage (V)	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 max (µH) <sup>5</sup>	Turns ratio <sup>6</sup> pri : sec	I <sub>pk</sub> <sup>3</sup> (A)	Output voltage (V)
				pri	sec				
NA5743-AL_	2–8	4.0	3.6	0.012	0.500	0.116	1 : 4	7.0	30–80
NA6252-AL_	2–8	4.0	3.6	0.010	0.053	0.075	1 : 1.33	7.0	9–36
NA5920-AL_	2–8	4.0	3.2	0.013	5.15	0.050	1 : 24	7.0	100–400

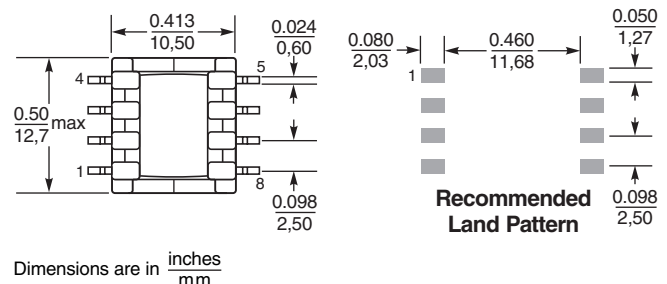
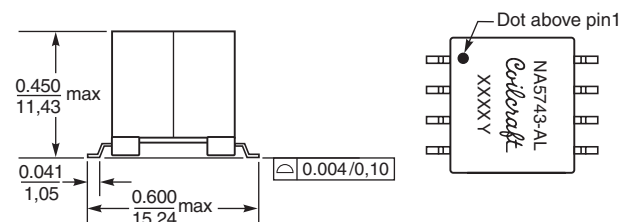
1. When ordering, please specify **packaging** code:**NA5743-ALD****Packaging:** D = 13" machine-ready reel. EIA-481 embossed plastic tape (200 parts per full reel).**B** = Less than full reel. In tape, but not machine ready. To have a leader and trailer added (\$25 charge), use code letter D instead.

- Inductance is for the primary, measured at 150 kHz, 0.1 Vrms, 0 Adc.
- I<sub>pk</sub> is peak primary current drawn at minimum input voltage.
- DCR for the primary is measured with windings connected in parallel.
- Leakage inductance is for the primary, measured with secondary pins shorted.
- Turns ratio is with the primary windings connected in parallel.
- Electrical specifications at 25°C.

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



Primary windings to be connected in parallel on PC board

Dimensions are in inches  
mm**Coilcraft**

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