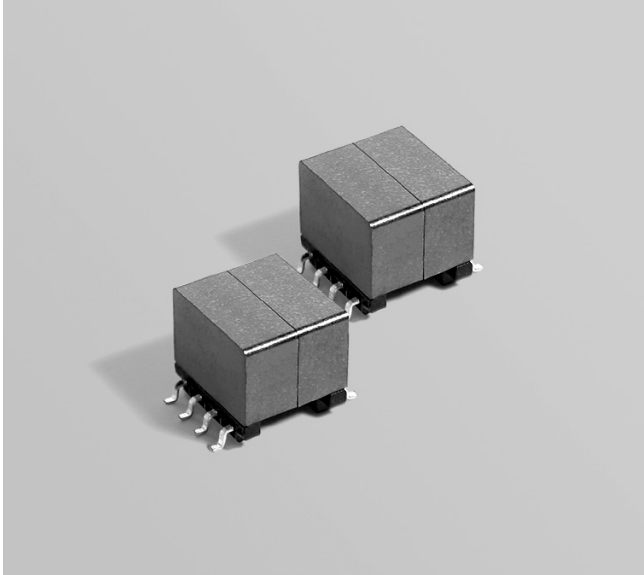




# Flyback Transformer

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

**Maximum part temperature** +85°C (ambient + temp rise)

**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 to MIL-STD-202 Method 215 plus an additional aqueous wash. 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				
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:

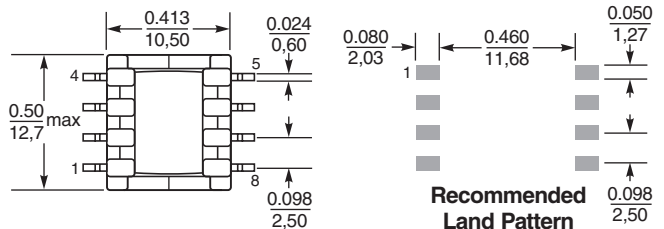
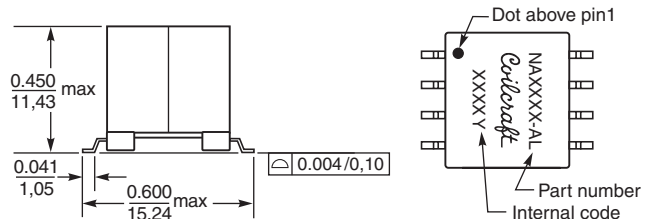
**NA6252-ALD**

**Packaging:** D = 13" machine-ready reel. EIA-481 embossed plastic tape (200 parts per full reel).

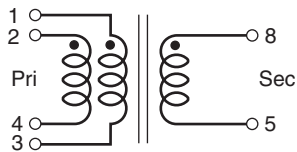
B = Less than full reel. In tape, but not machine ready. To have a leader and trailer added (\$25 charge), use code letter D instead.

- 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.



Dimensions are in inches / mm



Primary windings to be connected in parallel on PC board



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