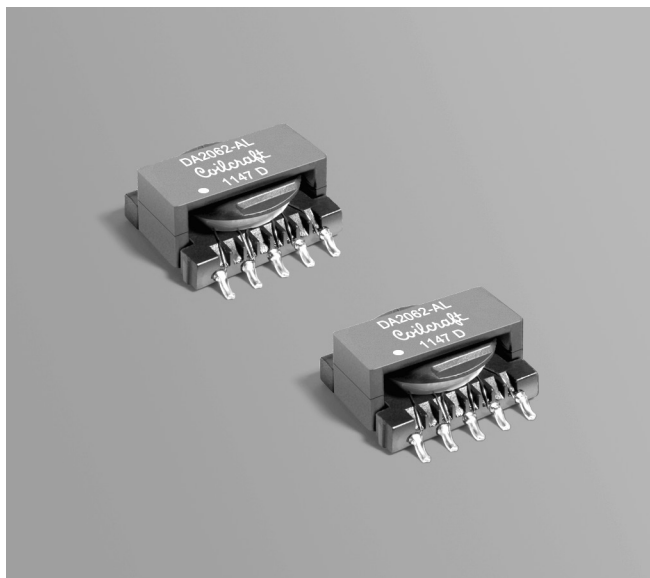




Flyback Transformer

For DC-DC converters based on
Power Integrations DPA423G



- Designed in accordance with Power Integrations Engineering Prototype Report EPR-86
- Operates in continuous conduction mode with 36 – 57 V input
- 1500 Vrms isolation between primary and secondary

Core material Ferrite

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

Weight 2.4 g

Ambient temperature –40°C to +125°C

Storage temperature Component: –40°C to +125°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)

Packaging 400 per 13" reel Plastic tape: 32 mm wide, 0.4 mm thick, 20 mm pocket spacing, 7.6 mm pocket depth

Failures in Time (FIT) / Mean Time Between Failures (MTBF)

38 per billion hours / 26,315,789 hours, calculated per Telcordia SR-332

PCB washing Tested with pure water or alcohol only. For other solvents, see Doc787_PCB_Washing.pdf

Part number ¹	Inductance at 0 Adc ² ±10% (μH)	Inductance at Ipk ³ min (μH)	DCR max (Ohms)	Leakage inductance ⁴ max (μH)	Turns ratios ⁵ pri : sec pri : bias	Ipk ³ (A)	Secondary output
DA2062-AL_	120	97	0.475 (pins 3–1) 0.013 (pins 9–6) 0.013 (pins 10–7) 0.181 (pins 4–5)	3.0	1 : 0.1 1 : 0.4	0.64	3.3 V, 2 A

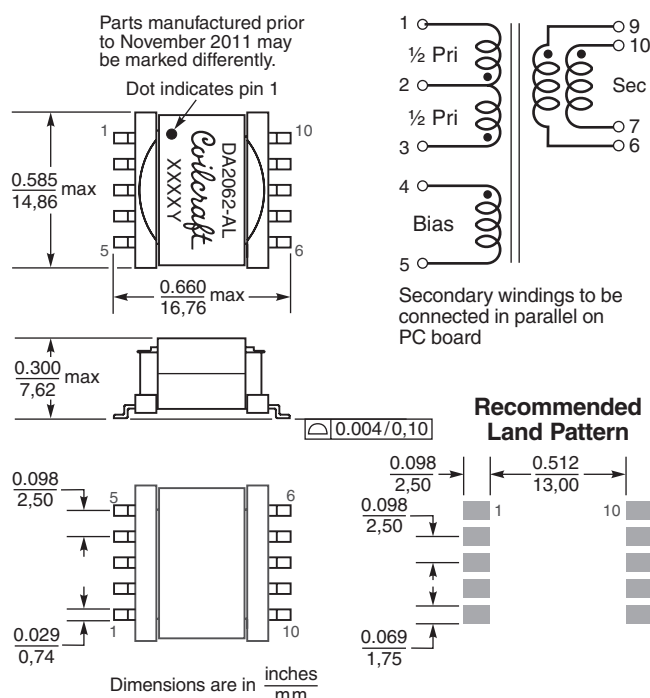
1. When ordering, please specify a **packaging** code:

DA2062-ALD

Packaging: **D** = 13" machine ready reel. EIA-481 embossed plastic tape (400 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 375 kHz, 0.6 Vrms, 0 Adc.
 - Peak primary current drawn at minimum input voltage.
 - Leakage inductance is for the primary and is measured with secondary windings 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 14 V.
 - Electrical specifications at 25°C.
- Refer to Doc 362 "Soldering Surface Mount Components" before soldering.



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