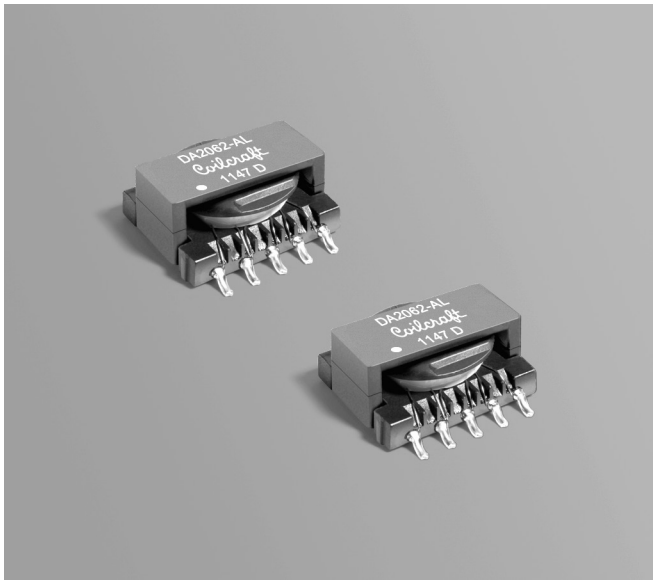
Flyback Transformer

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	Turns ratios[5] 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

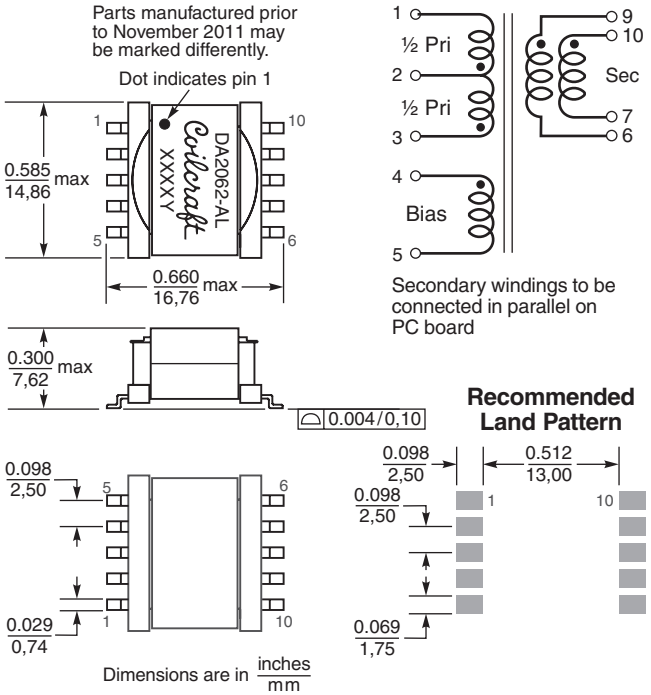
1. When ordering, please specify a **packaging** code:

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.

2. Inductance is for the primary, measured at 375 kHz, 0.6 Vrms, 0 Adc.
3. Peak primary current drawn at minimum input voltage.
4. Leakage inductance is for the primary and is measured with secondary windings shorted.
5. Turns ratio is with the secondary windings connected in parallel.
7. Output of the secondary is with the windings connected in parallel. Bias winding output is 14 V.
8. Electrical specifications at 25°C.

Refer to Doc 362 “Soldering Surface Mount Components” before soldering.



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