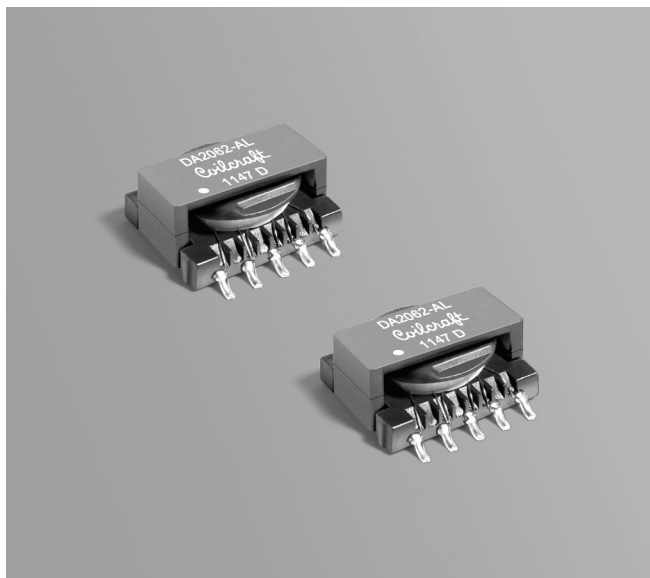




# Flyback Transformer

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 to MIL-STD-202 Method 215 plus an additional aqueous wash. See [Doc787\\_PCB\\_Washing.pdf](#).

Part number <sup>1</sup>	Inductance at 0 Adc <sup>2</sup> ±10% (µH)	Inductance at Ipk <sup>3</sup> min (µH)	DCR max (Ohms)	Leakage inductance <sup>4</sup> max (µH)	Turns ratios <sup>5</sup>		Ipk <sup>3</sup> (A)	Secondary output
					pri : sec	pri : bias		
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.

