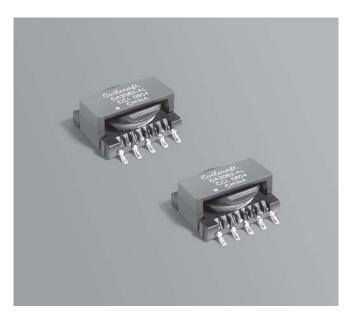


## Flyback Transformer For DC-DC converters based on Power Integrations DPA423G



- 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:  $-40^{\circ}C$  to  $+125^{\circ}C$ . Packaging:  $-40^{\circ}C$  to  $+80^{\circ}C$ 

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)

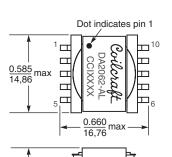
38 per billion hours / 26,315,789 hours, calculated per Telcordia SR-332 **PCB washing** Only pure water or alcohol recommended

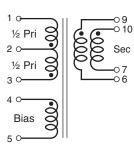
Part number <sup>1</sup>	Inductance at 0 Adc <sup>2</sup> ±10% (µH)	Inductance at Ipk <sup>3</sup> min (µH)	DCR max (Ohms)	Leakage inductance <sup>4</sup> max (µH)	Turns pri : sec	ratios⁵ pri : bias	Ipk <sup>3</sup> (A)	Secondary output
DA2062-AL_	120	97	0.475 (pins 3-1) 0.013 (pins 9-6) 0.013 (pins 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:

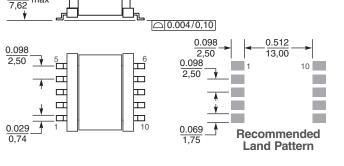
## DA2062-ALD

- 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.
- 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.





Secondary windings to be connected in parallel on PC board



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Specifications subject to change without notice. Please check our website for latest information.

0.300

max

Document 500 Revised 10/29/08

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