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 refows 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

<table>
<thead>
<tr>
<th>Part number†</th>
<th>Inductance at 0 Adc‡ ±10% (µH)</th>
<th>Inductance at Ipk3 min (µH)</th>
<th>DCR max (Ohms)</th>
<th>Leakage inductance4 max (µH)</th>
<th>Turns ratios5 pri : sec</th>
<th>pri : bias</th>
<th>Ipk3 (A)</th>
<th>Secondary output</th>
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<tbody>
<tr>
<td>DA2062-AL_</td>
<td>120</td>
<td>97</td>
<td>0.475 (pins 3 – 1) 0.013 (pins 9 – 6) 0.013 (pins 10 – 7) 0.181 (pins 4 – 5)</td>
<td>3.0</td>
<td>1 : 0.1</td>
<td>1 : 0.4</td>
<td>0.64</td>
<td>3.3 V, 2 A</td>
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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.
6. 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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