## Planar Transformer

### AEE32-4236

- **EE32 Core Design**
- **Operating Temperature** -40°C to +125°C

### Primary Electrical Specifications @ 25°C

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<th>Standard range</th>
<th>Test Conditions</th>
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<tr>
<td>Primary Inductance</td>
<td>1–6</td>
<td>100µH MIN</td>
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<td>Leakage Inductance</td>
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<td>HI-POT</td>
<td>PRI.--SEC.</td>
<td>DC 2250V</td>
<td>1mA, 1min</td>
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<td>Coil--Core</td>
<td>DC 500V</td>
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</table>

All specifications subject to change without notice.

### MECHANICAL

**DIMENSION UNIT: mm**

```
A: 33 MAX
B: 51 MAX
C: 14 MAX
D: 4+/−0.2
E: 4+/−0.2
F: 46.5+/−0.2
G: 2.7+/−0.2
H: 1.0+/−0.15
I: 1.5+/−0.2
J: 2+/−0.2
```

Note:
Halves of core are fixed by glue
1) Input power of power supply: 400W (12Vdc/33.3Adc).
2) Frequency of transformer: 200KHz.
3) Output ripple frequency: 400KHz.
4) Topology: Phase shifted Full bridge, 2 diodes rectifier.
5) Input voltage of power stage: 36~75 Vdc link.
6) Input voltage of transformer: 35~74 Vpeak.
7) Duty cycle, max. (for 0.5V diode drop voltage): 2 x 0.444.
8) Maximum Volt-Sec product: 2 x 77.8 V-uSec.