Forward Transformer
EPC3789G-LF

- 25W PoE Applications
- Switching Frequency: 225kHz
- Duty Cycle: 70% max.
- Class 155°C Insulation System
- Operating Temperature: -40°C to +130°C
- Storage Temperature: -40°C to +130°C

Electrical Specifications @25°C

<table>
<thead>
<tr>
<th>Inductance¹ (µH ± 28%)</th>
<th>Le² (µH max.)</th>
<th>DCR (mΩ max.)</th>
<th>Turns Ratio</th>
<th>Isolation (Vrms)</th>
</tr>
</thead>
<tbody>
<tr>
<td>429.3</td>
<td>0.5</td>
<td>68</td>
<td>6.75</td>
<td>970</td>
</tr>
</tbody>
</table>
|                        |               |               |             | 3.6 : 1.0 : 2.4 | 1500

Notes:
1. Primary inductance measured at 100kHz; 1.0Vrms
2. Leakage inductance measured at 100kHz; 1.0Vrms with Sec. & Aux. windings shorted

Dimensions

Schematic

- Components:
  - Primary: 30V - 60V (225kHz)
  - Secondary: 5.1V (5A)
  - Auxiliary: 12V (10mA)

- Notes:
  - Product weight: 6.6 gms.
  - Lead Finish: Hot Dipped Sn or SnCu
  - Moisture sensitivity level: 1
  - Resistance to solder heat: 245°C
  - Ordering Information: Tape & Reel (200pcs. / 13"Reel)

Unless Otherwise Specified Dimensions are in Inches /mm ± .010 / .25

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