Surface Mount Low Power Push-Pull Transformers

EPC3126G-X-LF

- Designed for use with Maxim Max 253/845
- PFA Teflon Insulation (Triple Insulated Wire)
- UL1446 Class H (Class 180) Insulating System
- Operating Temperature: -40°C to +85°C
- UL94-V0 Recognized Materials
- Up to 1 Watt
- Switching Frequency: 250KHz - 1MHz

**Electrical Parameters @ 25°C**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Voltage (V)</th>
<th>Primary OCL (µH Min.)</th>
<th>Turns Ratio (Pri. to Sec.)</th>
<th>ET (V-µSec.)</th>
<th>Duty Cycle (%)</th>
<th>Rectification (Half or Full Wave)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EPC3126G-1-LF</td>
<td>5</td>
<td>15</td>
<td>500</td>
<td>1CT:2CT</td>
<td>11</td>
<td>75 Voltage Doubler</td>
</tr>
<tr>
<td>EPC3126G-2-LF</td>
<td>3.3</td>
<td>5</td>
<td>500</td>
<td>1CT:1.2CT</td>
<td>11</td>
<td>75 Voltage Doubler</td>
</tr>
<tr>
<td>EPC3126G-3-LF</td>
<td>5</td>
<td>10</td>
<td>500</td>
<td>1CT:1.3CT</td>
<td>11</td>
<td>75 Voltage Doubler</td>
</tr>
<tr>
<td>EPC3126G-4-LF</td>
<td>5</td>
<td>12</td>
<td>500</td>
<td>1CT:2.6CT</td>
<td>11</td>
<td>77 Voltage Doubler</td>
</tr>
<tr>
<td>EPC3126G-5-LF</td>
<td>5.3</td>
<td>5</td>
<td>500</td>
<td>1CT:3CT</td>
<td>11</td>
<td>80 Voltage Doubler</td>
</tr>
<tr>
<td>EPC3126G-6-LF</td>
<td>5</td>
<td>12</td>
<td>500</td>
<td>1CT:0.6CT</td>
<td>11</td>
<td>83 Voltage Doubler</td>
</tr>
<tr>
<td>EPC3126G-7-LF</td>
<td>5</td>
<td>12</td>
<td>500</td>
<td>1CT:1.5CT</td>
<td>11</td>
<td>80 Voltage Doubler</td>
</tr>
</tbody>
</table>

- Isolation: 4500 Vrms (100% Tested 1 Min.)
- † Connections: Output Center Tap as Common/Return

**Notes:**

- Assembly Process (Solder Composition): Hot Dipped Sn
- Peak Solder Rating: 260°C
- Moisture Sensitive Levels (MSL): 4 (72 Hours, ≤30°C/60%RH)
- Weight: 1.2 grams
- Packaging Information (Tube): 55 pcs / tube

**Package**

- Pad Layout: 5 3 1
- Frequency Switch

**Application**

- ON/OFF
- 5V @ 200mA

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