720 W Planar Transformer

For TI 720 W Full Bridge DC/DC Converter

- Developed for Texas Instruments PMP9219 LM5045 Based 720 W Power Converter
- Designed to operate at 400 kHz with 36 – 75 V input
- 1500 Vrms, one minute isolation from primary to secondary windings
- Listed as T2 on Texas Instruments BOM-PMP9219

Core material Ferrite
Terminations Matte tin over nickel over brass.
Weight 53.9 g
Ambient temperature –40°C to +125°C
Maximum part temperature +150°C (ambient + temp rise)
Storage temperature Component: –40°C to +125°C.
Tray packaging: –40°C to +80°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 16 per tray
PCB washing Tested to MIL-STD-202 Method 215 plus an additional aqueous wash. See Doc787_PCB_Washing.pdf.

<table>
<thead>
<tr>
<th>Part number</th>
<th>Inductance at 0 A(^1) ±30% (µH)</th>
<th>DCR max (mOhms)</th>
<th>Leakage inductance max (µH)</th>
<th>Turns</th>
<th>Output</th>
</tr>
</thead>
<tbody>
<tr>
<td>MA5519-AL</td>
<td>190.8</td>
<td>5.0</td>
<td>1.53</td>
<td>178</td>
<td>178</td>
</tr>
</tbody>
</table>

1. Inductance is measured at 300 kHz, 1.0 Vrms, 0 Adc.
2. Leakage inductance is for the primary, measured with the secondary shorted.
3. Electrical specifications at 25°C.
Refer to Doc 362 “Soldering Surface Mount Components” before soldering.

Dimensions are in inches

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risk applications without prior Coilcraft approval.
Specification subject to change without notice.
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