### FEATURES
- High performance CMC using nanocrystalline core
- High frequency attenuation value in the MHz range
- Wide operating temperature range -40 to +140°C
- UL94V and RoHS materials
- AEC-Q200 qualified
- Weight: approx 90 grams

### OPERATION
- Up to 16A (RMS or DC) per winding
- Total losses < 6W @100°C/2x16Arms
- Cooling of the windings is required

### APPLICATIONS
- Automotive EV/PHV AC/DC onboard battery chargers
- Automotive HV/LV DC/DC converters

### SPECIFICATIONS

#### DIMENSIONS

#### ELECTRICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inductance at 25°C</td>
<td>25mH TYP (19-40mH)</td>
</tr>
<tr>
<td>Turn-Ratio</td>
<td>1:1</td>
</tr>
<tr>
<td>DC Resistance at 25°C</td>
<td>8.6mΩ TYP (10mΩ MAX)</td>
</tr>
<tr>
<td>Leakage Inductance</td>
<td>18µH TYP (15-21µH)</td>
</tr>
<tr>
<td>Dielectric Strength</td>
<td>1000Vac (50Hz/3mA/1min)</td>
</tr>
</tbody>
</table>

#### RECOMMENDED PAD-LAYOUT

#### ELECTRICAL DIAGRAM