Wirewound, 300 W Liquid Cooled Load Resistor

FEATURES
- Insulation is fitted over copper tubing
- Resistance element alloy wire is precisely wound onto the tube and then spot welded to the terminal bands
- Wire is “locked” onto the core with a silicone coating
- Units can be wound non-inductively with Ayrton-Perry winding for the lowest reactive component

STANDARD ELECTRICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>GLOBAL MODEL</th>
<th>POWER RATING</th>
<th>RESISTANCE RANGE</th>
<th>TOLERANCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS71</td>
<td>300 W</td>
<td>0.25 to 37K</td>
<td>± 5 %</td>
</tr>
</tbody>
</table>

DIMENSIONS in inches

TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>PARAMETER</th>
<th>UNIT</th>
<th>RESISTOR CHARACTERISTICS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power rating</td>
<td>W</td>
<td>300 cooled with 1 gal/min of 17 °C water</td>
</tr>
<tr>
<td>Resistance range</td>
<td>Ω</td>
<td>0.25 to 37K</td>
</tr>
<tr>
<td>Resistance tolerance</td>
<td>%</td>
<td>5 (standard)</td>
</tr>
<tr>
<td>Dielectric withstanding voltage</td>
<td>V AC</td>
<td>3000 RMS</td>
</tr>
</tbody>
</table>

GLOBAL PART NUMBER INFORMATION

Global Part Numbering example: CS710300R3000B1234 (CS71 300 W 0.3 Ω Bulk 1234)

Sample Sizes:
- K = thousand
- R = decimal

Sample Sizes:
- R1500 = 0.15 Ω
- 1K500 = 1.5 kΩ resultant wattage

B = bulk

9123 = inductive
8968 = noninductive
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