Round Heat Pipe

**ATS Part#:** ATS-HP-D3L150S12W-113

**Description:** Closed evaporator-condenser heat transfer systems. A heat pipe's wick structure and embedded liquid enables it to produce a very high heat flux transport capability, which can be 10-20 times higher than the equivalent diameter solid copper pipe. Round heat pipes offer advantages for certain fin configurations at the condenser end.

**Features & Benefits**
- Tube material: copper
- Wick structures: grooved or sintered copper powder
- High thermal conductivity
- Light weight
- Fast thermal response

**Applications for Heat Pipes**
- Compact Electronics Enclosures
- Aerospace
- Medical
- Consumer Electronics
- HVAC

**Heat Pipe Diameter in mm**

<table>
<thead>
<tr>
<th>Heat Pipe Diameter in mm</th>
<th>Minimum Bend Radius in mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>12</td>
</tr>
<tr>
<td>5</td>
<td>15</td>
</tr>
<tr>
<td>6</td>
<td>18</td>
</tr>
<tr>
<td>7</td>
<td>21</td>
</tr>
<tr>
<td>8</td>
<td>24</td>
</tr>
</tbody>
</table>

**For further technical information, please contact Advanced Thermal Solutions, Inc. by phone:** 1-781-769-2800, email ats-hq@qats.com or visit www.qats.com.