## 1.0 Mechanical Specifications

1.1 Coaxial Connector: SMA-Male to Female

1.2 Size: RFPSHT0018W7 : Φ0.35” x 1.67” (Φ9 x 42.5mm-52.5mm)

1.3 Weight: 20g (RFPSHT0008W7)

1.4 External Body Finish: Body painted with blue/black epoxy enamel

## 2.0 Environment specifications

2.1 Operation Temp.: -10°C~+50°C

2.2 Storage Temp.: -40°C~+70°C

2.3 Altitude: 45000 ft

2.4 Vibration: 10g rms (15 degree 2KHz)

2.5 Humidity: 100% RH at 35°C, 95%RH at 40°C

2.6 Shock: 20G for 11msc

## 3.0 Electrical Specifications

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Frequency (GHz)</th>
<th>Insertion Loss (dB)</th>
<th>Phase Adjustment</th>
<th>Max VSWR</th>
<th>Power (W) CW</th>
<th>Peak Power (KW)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RFPSHT0018W7</td>
<td>DC-18</td>
<td>0.50dB @ 12GHz</td>
<td>360°with</td>
<td>1.3 : 1 @ 4GHz</td>
<td>50</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.75dB @ 18GHz</td>
<td>20°/GHz***</td>
<td>1.5 : 1 @ 18GHz</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

***Phase Adjustment Range specification ONLY refer to the highest frequency point. Total Phase Adjustment Range is proportion of Frequency range. HALF the frequency range, HALF of the phase adjustment range. (For example 8GHz range 360°, then 4GHz will be 180° total range)