### SPECIFICATIONS

**ELECTRICAL**

<table>
<thead>
<tr>
<th>CHANNEL 1</th>
<th>CHANNEL 2</th>
<th>CHANNEL 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>FREQUENCY [GHz]:</td>
<td>1.01-1.1</td>
<td>1.01-1.1</td>
</tr>
<tr>
<td>VSWR, max:</td>
<td>1.20:1</td>
<td>1.20:1</td>
</tr>
<tr>
<td>VSWR WOW:</td>
<td>0.05</td>
<td>0.05</td>
</tr>
<tr>
<td>INS LOSS (dB, max):</td>
<td>0.35</td>
<td>0.35</td>
</tr>
<tr>
<td>AVERAGE POWER [kW]:</td>
<td>15</td>
<td>15</td>
</tr>
<tr>
<td>PEAK POWER [kW]:</td>
<td>300</td>
<td>300</td>
</tr>
<tr>
<td>PHASE WOW [degrees], max @ 1090 MHz:</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>PHASE MATCHING [degrees]:</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>CHANNEL ISOLATION [dB], min:</td>
<td>&lt;=0.100</td>
<td>&lt;=0.100</td>
</tr>
</tbody>
</table>

**MECHANICAL**

- STARTING TORQUE, MAX: (2.72 N-m) 2 ft-lbs
- ROTATION SPEED [RPM]: 60
- WEIGHT: [3.4 kg] 7.5 lbs

**ENVIRONMENTAL**

- OPERATING TEMP [C]: -40 TO 55
- STORAGE TEMP [C]: -40 TO 71
- HUMIDITY [Rh]: 100%

**CONNECTORS:** TYPE N FEMALE

**MATERIAL:** ALUMINUM

**FINISH:** TBD

**MARKING:** per MIL-STD-130

**ROHS COMPLIANT**

**NOTE:**
- FULLY MODE S COMPLIANT
- TESTED @ 5,000 W PEAK, 32 MICRO SECOND PULSE WIDTH
- (EQUIVALENT TO 15 KW @ 1 MICRO SECOND PULSE WIDTH)

**SPECIFICATIONS**

- FREQUENCY: 1.01-1.1 GHz
- VSWR: 1.20:1 max
- INS LOSS: 0.35 dB max
- POWER: 300 kW average, 15 kW peak
- PHASE WOW: 1 degree max, 0.05 degree peak
- ISOLATION: 100 dB min

**OPERATING CONDITIONS**

- TEMP: -40 to 55°C
- HUMIDITY: 100%
- WEIGHT: 3.4 kg

**FINISH:** TBD

**MARKING:** per MIL-STD-130

**ROHS COMPLIANT**

**DIAMOND ANTENNA & MICROWAVE CORP**

**LITTLETON, MA  01460**