TOLERANCES PER ASME Y14.5M
INTERPRET DIMENSIONS & THIRD ANGLE PROJECTION
DIMENSIONS ARE IN INCHES.
REMOVE ALL BURRS AND SHARP EDGES .005 MAX, UNLESS OTHERWISE SPECIFIED, SURF FINISH 63
TOLERANCES ARE:

- FRACTIONS
  - 1/64
  - 2 PLACES
- DECIMALS
  - .03
  - 3 PLACES

DIAMOND ANTENNA & MICROWAVE CORP

LITTLETON, MA  01460

CAGE CODE:
01882

DESIGN SPECIFICATIONS

<table>
<thead>
<tr>
<th>ELECTRICAL</th>
<th>CHANNEL 1</th>
<th>CHANNEL 2</th>
<th>CHANNEL 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>FREQUENCY (GHz)</td>
<td>1.0-6.0</td>
<td>1.0-6.0</td>
<td>0.2-2.5</td>
</tr>
<tr>
<td>VSWR (MAX)</td>
<td>1.2:1</td>
<td>1.8:1</td>
<td>1.8:1</td>
</tr>
<tr>
<td>VSWR WOW (MAX)</td>
<td>0.05</td>
<td>0.3</td>
<td>0.4</td>
</tr>
<tr>
<td>INSERTION LOSS (MAX)</td>
<td>0.05 dB</td>
<td>0.0</td>
<td>0.15 dB</td>
</tr>
<tr>
<td>INSERTION LOSS WOW (MAX)</td>
<td>0.05 dB</td>
<td>0.3 dB</td>
<td>0.15 dB</td>
</tr>
<tr>
<td>POWER, PEAK</td>
<td>50 W</td>
<td>50 W</td>
<td>50 W</td>
</tr>
<tr>
<td>POWER, AVG</td>
<td>10 W</td>
<td>10 W</td>
<td>10 W</td>
</tr>
<tr>
<td>ISOLATION</td>
<td>50 dB</td>
<td>50 dB</td>
<td>50 dB</td>
</tr>
</tbody>
</table>

MECHANICAL & ENVIRONMENTAL

- ROTATIONAL SPEED: 5 RPM
- TEMPERATURE, OPERATING: -20°C TO +60°C
- TEMPERATURE, STORAGE: -50°C TO +71°C
- HUMIDITY (RELATIVE): 100% CONDENSING
- PRESSURE: 5 PSIG (TYPE), 10 PSIG (MAX)
- LEAK RATE: 20 CC/MIN @ 5 PSIG
- TORSION: 20 IN-LBS
- WEIGHT: 4 LBS (EST.)
- MATERIAL: ALUMINUM ALLOY
- FINISH: CHROMATE CONVERSION COATING
- MIL-C-55374, CL 3 TYPE II
- ROHS COMPLIANT

DIMENSIONS ARE IN INCHES.
REMOVE ALL BURRS AND SHARP EDGES. 200X MAX, UNLESS OTHERWISE SPECIFIED. 30° TOLERANCE.

DIAMOND LABEL
STATOR
ROTOR

4X .203 THRU EQ SP AS SHOWN ON B.C.

1/16-27 NPT TAPPED HOLE
(PIPE PLUG INSTALLED FOR SHIPPING PURPOSE ONLY) TYP BOTH ENDS

3 CHANNEL ROTARY JOINT

DIAMOND ANTENNA & MICROWAVE CORP
LITTLETON, MA 01460

CAGE CODE: 01882

DRAWING NUMBER: B-01882

SIZE: B
CAGE CODE: 01882
DRAWING NUMBER: CAT27-2349-0

SCALE: 3:4
WEIGHT (EST.): 4 LBS

SHEET: 1 OF 1