DESIGN SPECIFICATIONS

<table>
<thead>
<tr>
<th></th>
<th>CHANNEL 1</th>
<th>CHANNEL 2</th>
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<tbody>
<tr>
<td>FREQUENCY (GHz)</td>
<td>5.4-5.9</td>
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</tr>
<tr>
<td>V SWR (max)</td>
<td>1.35:1</td>
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<tr>
<td>INSERTION LOSS (max)</td>
<td>-15 dB</td>
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<td>PEAK POWER (max)</td>
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<td>AVERAGE POWER (max)</td>
<td>100 W</td>
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DIMENSIONS ARE IN INCHES.

REMOVE ALL BURRS AND SHARP EDGES .005 MAX, UNLESS OTHERWISE SPECIFIED, SURF FINISH 63.

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<tr>
<td></td>
<td>1/64</td>
<td>2 PLACES</td>
<td>.03</td>
</tr>
<tr>
<td></td>
<td>.03</td>
<td>3 PLACES</td>
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WR-187 DUAL CHANNEL ROTARY JOINT

CHANNEL 1
- FREQUENCY (GHz): 5.4-5.9
- V SWR (max): 1.35:1
- INSERTION LOSS (max): -15 dB
- PEAK POWER (max): 1 kW
- AVERAGE POWER (max): 100 W
- ROTATIONAL SPEED: 15 RPM max
- TORQUE (max): 6 in-lb
- LEAK (max): 1 c.c./min
- TEMPERATURE (NON-OPER): -45°C to 40°C
- WEIGHT (max): 3.00 lbs
- MATERIAL: ALUMINUM ALLOY
- FINISH: TBD
- MARKING: DIAMOND STD LABEL PER MIL-STD-130, TO INCLUDE PART NO., SER NO. & DATE OF MFG.

CHANNEL 2
- FREQUENCY (GHz): 5.4-5.9
- V SWR (max): 1.35:1
- INSERTION LOSS (max): .15 dB
- PEAK POWER (max): 1 kW
- AVERAGE POWER (max): 100 W
- ROTATIONAL SPEED: 15 RPM max
- TORQUE (max): 6 in-lb
- LEAK (max): 1 c.c./min
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- MATERIAL: ALUMINUM ALLOY
- FINISH: TBD
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- TEMPERATURE (OPER): -20°C to +60°C
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- WEIGHT (nom): 5.5 lbs
- MATERIAL: ALUMINUM ALLOY
- FINISH: TBD
- MARKING: DIAMOND STD LABEL PER MIL-STD-130, TO INCLUDE PART NO., SER NO. & DATE OF MFG.

CHANNEL 2
- FREQUENCY (GHz): 5.4-5.9
- V SWR (max): 1.35:1
- INSERTION LOSS (max): .15 dB
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