**Features**

- **MADE IN USA:** .............................. 3 YEAR WARRANTY
- Excellent Return Loss: .......................... 14 dB input, 16 dB output
- High Output: .............................................. +3 dBm (Recommended)
- Slope Compensation: .............................. 5 dB over 950-2025 MHz
- Excellent Gain Flatness: .............................. ±0.2 dB in any 24 MHz
- Low Power Consumption: .............................. 6 Watts
- LNB Power Inserter: .............................. Short Circuit Protected
- Provides LNB Power: .............................. +14 Volts DC, +19 Volts DC

**Description**

TA2330D dual trunk amplifiers power dual LNBs and amplify dual 250 to 2150 MHz DBS signals for distribution in a coaxial cable system. Slope-compensated 30 dB gain, high return loss and 3 dBm output capability make the amp ideal for driving passive multiswitches. Power is provided by a 24 Vdc, 1 Amp short circuit protected power supply with AC cord.

**Specifications**

**RF Specifications**

<table>
<thead>
<tr>
<th>Frequency</th>
<th>Typical</th>
<th>QC Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>250 MHz</td>
<td>23 dB</td>
<td>22 dB</td>
</tr>
<tr>
<td>950 MHz</td>
<td>25 dB</td>
<td>24 dB</td>
</tr>
<tr>
<td>1450 MHz</td>
<td>28 dB</td>
<td>27 dB</td>
</tr>
<tr>
<td>2025 MHz</td>
<td>30 dB</td>
<td>28 dB</td>
</tr>
</tbody>
</table>

Passband Flatness

Any 24 MHz band ................................ 0.1 dB .......... 0.2 dB

Return Loss 250 MHz to 2150 MHz

Input Return Loss ........................................ 14 dB ...... 12 dB
Output Return Loss ....................................... 13 dB ...... 11 dB
Recommended Output (16 transponders) .................. +3 dBm

Noise Figure .............................................. 7 dB

Power Specifications

Supply Voltage / Current ................................... 24 Vdc, 1 Amp
Amplifier Current Total ..................................... 250 mA
LNB Current per LNB ...................................... 250 mA

Mechanical Specifications

Dimensions ............................................. 6.5” x 4.0” x 4.75”
Weight (with 24-Volt power supply) ...................... 3.0 lb (1.2 kg)
Master Carton (12 units) .................................. 15” x 12” x 10”
Master Carton Weight .................................... 39 lb (17.5 kg)

Sonora reserves the right to modify their designs or specifications without prior notice. (Rev ac)