Features

- **Power Out 1 dB comp. ≥ 17 dBm**
- Unconditionally Stable at all temperatures
- Internally Regulated DC Voltage
- 50 Ohm Matched Input/Output
- Field Replaceable SMA connectors
- Excellent Group Delay and Phase Linearity
- 0.009 inches diameter RF In/Out feed through
- 3 Year Warranty

Options

- Optimized Performance over Selected Bandwidth
- Internally DC Block Input (Output DC Block Standard)
- Hermetically Sealed Package
- Gain and Phase matching
- Extended bandwidth to 100 MHz.
- Internal D.C. Voltage regulation

Performance Graphs

- **S21**:
  - Gain (dB) vs. Frequency (MHz)
  - **Noise Figure (dB)**:
    - Noise Figure vs. Frequency (MHz)
    - **Power 1dB Compression**:
      - Power (dBm) vs. Frequency (MHz)
  - **Delay**:
    - Delay (pS) vs. Frequency (MHz)
  - **S11**:
    - Input Return Loss (dB)
  - **S22**:
    - Output Return Loss (dB)

Specifications (23 °C)

<table>
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<tr>
<th>Parameter</th>
<th>Min</th>
<th>Typ</th>
<th>Max</th>
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<td>Noise Figure</td>
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<tr>
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<td>18</td>
<td>dBm</td>
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<td>±1.5</td>
<td>dB</td>
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<td>18</td>
<td>dBm</td>
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<tr>
<td>Output VSWR</td>
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*IMP: UNIT REQUIRES HEAT SINK.
**Input +15V with Internal D.C. Voltage Regulation available

Outline Drawing

Mounting Drawing

Drop In Module