

**Features**

- Noise Figure  $\leq 1.0$  dB
- Unconditionally Stable at all temperatures
- Internally Regulated DC Voltage
- 50 Ohm Matched Input/Output
- Field Replaceable 3.5mm SMA connectors
- Excellent Group Delay and Phase Linearity
- 0.009 inches diameter RF In/Out feed through
- Operating Temp. -55 C to +85 C
- 3 Year Warranty

**Options**

- **Optimized Performance over Selected Bandwidth**
- Internally DC Block Input (Output DC Block Standard)
- Hermetically Sealed Package
- Improved Gain Flatness
- Improved IN and OUT VSWR
- Gain and Phase matching
- Lower Noise Figure

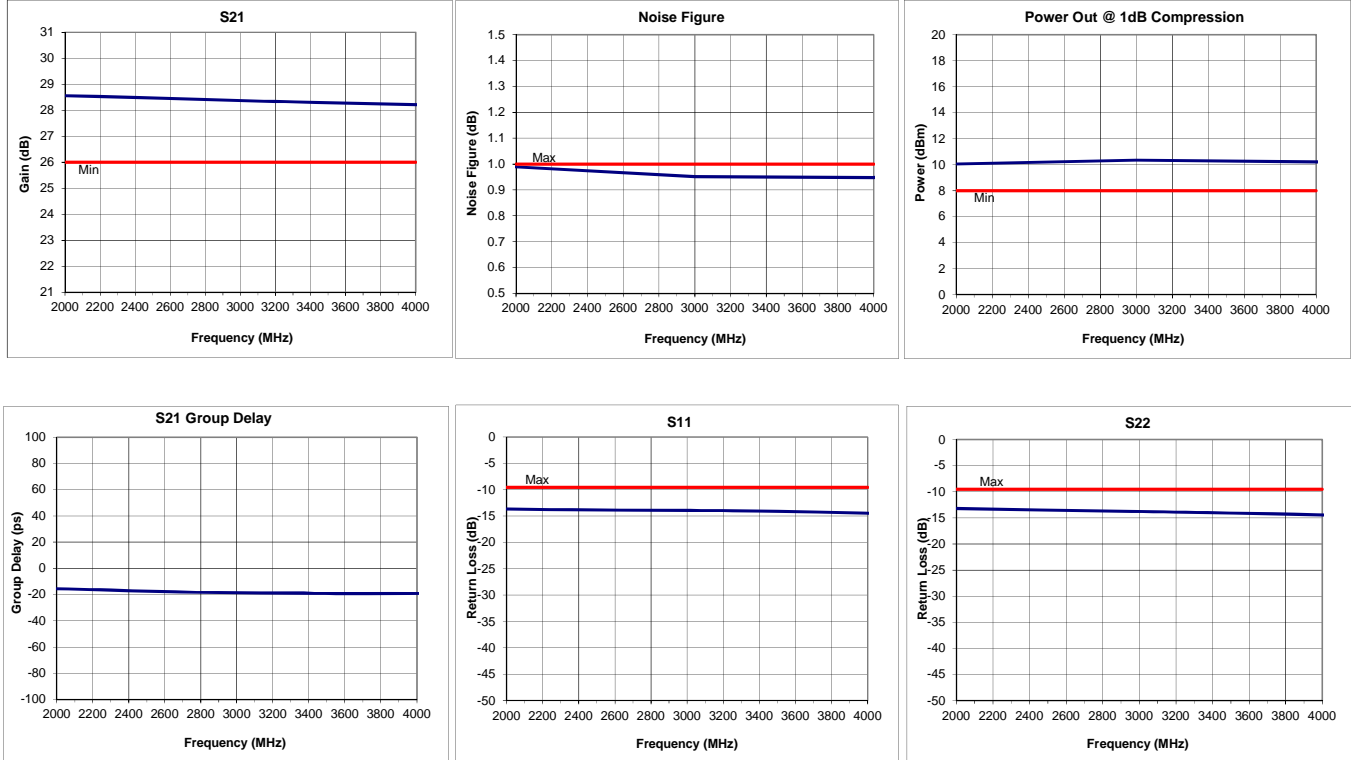


**Specifications (23 °C)**

| Parameter                  | Min                | Typ        | Max       | Units |
|----------------------------|--------------------|------------|-----------|-------|
| Frequency Range            | 2                  | -          | 4         | GHz   |
| Noise Figure*              | -                  | 0.9        | 1         | dB    |
| Gain                       | 26                 | 27         | -         | dB    |
| Gain Flatness (+/-)        | -                  | $\pm 0.25$ | $\pm 0.5$ | dB    |
| P1 Output Power            | +8                 | 10         | -         | dBm   |
| Input VSWR                 | -                  | -          | 2.0:1     |       |
| Output VSWR                | -                  | -          | 2.0:1     |       |
| Operating Temperature      | -55                | -          | +85       | °C    |
| Non-Operating Temp Range   | -65                | -          | +85       | °C    |
| RF Input Power (no-damage) | -                  | -          | +13       | dBm   |
| Humidity (non-condensing)  | -                  | -          | 95        | %     |
| Voltage                    | +12                | +12        | +15       | VDC   |
| Current                    | -                  | 70         |           | mA    |
| Input Impedance            | 50                 |            |           | Ohms  |
| RF Connector               | 3.5mm SMA - Female |            |           |       |
| Dimensions                 | 29.9 x 18.7 x 7.6  |            |           | mm    |

\* Noise Source used for measurement from 0.01 to 26.5 GHz is HP346C .  
NF Uncertainty (approx. 0. 1dB). 0.05 dB due to ENR of HP 346C; and 0.05 dB, due to the gain modulation of the unit, caused by the HP 346C source impedance change in the ON and OFF state.

**Typical Data**





Approx. Actual Size



**Mounting Drawing**



**Drop In**

