

Features

- Noise Figure ≤ 2.5 dB
- Unconditionally Stable at all temperatures
- Internally Regulated DC Voltage
- 50 Ohm Matched Input/Output
- Field Replaceable 2.92mm K connectors
- Excellent Group Delay and Phase Linearity
- 0.009 inches diameter RF In/Out feed through
- Operating Temp. -40 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 | 24 | - | 32 | GHz |
| Noise Figure* | - | 2.3 | 2.5 | dB |
| Gain | 34 | 36 | - | dB |
| Gain Flatness (+/-) | - | ± 0.5 | ± 1.0 | dB |
| P1 Output Power | +10 | +11 | - | dBm |
| Input VSWR | - | - | 2.0:1 | |
| Output VSWR | - | - | 2.0:1 | |
| Operating Temperature | -40 | - | +85 | °C |
| Non-Operating Temp Range | -65 | - | +85 | °C |
| RF Input Power (no-damage) | - | - | +13 | dBm |
| Humidity (non-condensing) | - | - | 95 | % |
| Voltage | +8 | +12 | +15 | VDC |
| Current | - | 145 | | mA |
| Input Impedance | 50 | | | Ohms |
| RF Connector | 2.92mm - Female | | | |
| Dimensions | 29.9 x 18.7 x 7.6 | | | mm |

* Noise Source used for measurement from 18GHz to 42 GHz is HP346C-K01.
NF Uncertainty (approx. 0.3 dB). 0.2 dB due to ENR of HP 346C-K01, and 0.1 dB due to the gain modulation of the unit caused by the HP 346C-K01 source impedance change in the ON and OFF state.

Typical Data



