

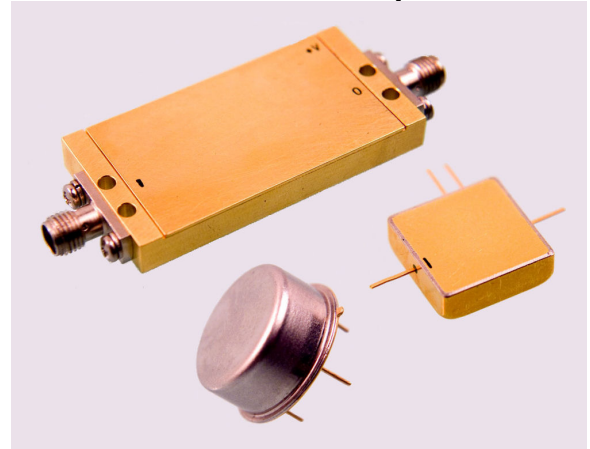
**Features: (typical values)**

- Low Noise..... 1.0 dB.
- Medium Power Out. .... + 18 dBm.
- Medium Gain..... +23 dB.

**Maximum Ratings**

Storage Temperature ..... -55°C to +125°C  
 DC Voltage ..... +15 volts  
 RF Input Power ..... +15.0 dBm.  
 Case Temperature ..... +95°C

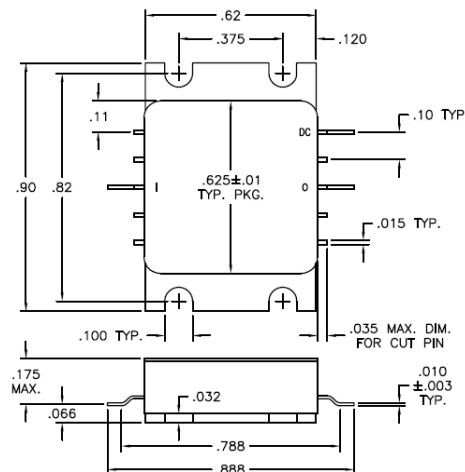
**2300-2500 MHz  
 Low Noise Amplifier**



Specifications (Referenced to 50 ohms)

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		2300	2500	MHz.
Gain	23	21		dB.
Gain Flatness	±0.3		±0.8	dB.
Gain Var. over temp.	0.5			ΔdB.
Pout @ 1dB Comp	+18	+16		dBm.
Noise Figure	1.0		1.5	dB.
Reverse Isolation	40			dB.
IP <sub>3</sub> /IP <sub>2</sub> (two tone)*	28/35			dBm.
HIP2 (2 <sup>nd</sup> harm.)	45			dBm.
VSWR In/Out	1.4:1		1.8:1	Ratio
Supply Required	+12V/82		+12V/95	v/mA

Min. and max. values are from 0°C to +85°C  
 \*IP3 and IP2 are in band output intercept points



**Typical Performance Curves @ 25°C**

■ -0°C    ◆ -+25°C    ▲ -+85°C

