

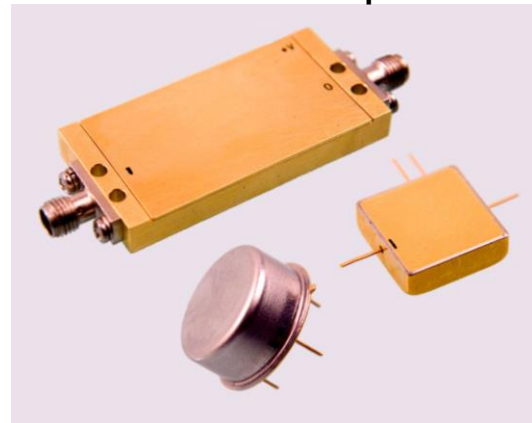
Features: (typical values)

- High Reverse Isolation 40.0 dB.
- Noise Figure 3.0 dB.
- High Gain 30 dB.
- No external components required

Maximum Ratings

Storage Temperature -62°C to +125°C
 DC Voltage +17 volts
 RF Input Power +7.0 dBm.
 Case Temperature +100°C

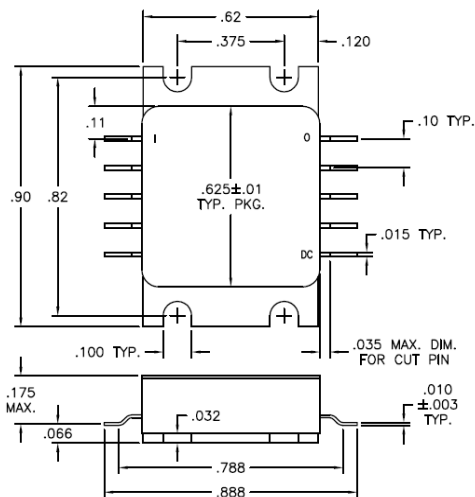
Specifications (Referenced to 50 ohms)

**5-200 MHz
Cascadable Amplifier**


Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		5	200	MHz.
Gain	30	28.0		dB.
Gain Flatness	±0.3		±1.0	dB.
Gain Var. over temp	0.6			ΔdB.
Pout @ 1dB Comp	+18.0	+17.0		dBm.
Noise Figure	3.0		3.5	dB.
Reverse Isolation	40			dB.
IP ₃ /IP ₂ (two-tone)*	33/39			dBm.
HIP ₂ (2 nd harm.)	40			dBm.
VSWR In/Out	1.5:1		2.0:1	
Supply Required	+15/80		+15/95	v/mA.

Min. and max. values are from -55°C to +85°C

*IP₃ and IP₂ are in band output intercept points



FUNCTIONAL BLOCK DIAGRAM

