

Features

•Noise Figure ≤ 1.3 dB max

- Wide Frequency Bandwidth at all temperatures
- VCC Supply Voltage Internally Regulated
- 50 Ohm Matched Input/Output
- Nickel plated aluminum package
- Excellent Group Delay and Phase Linearity
- Weatherproof
- Operating Temp: -55 °C to +85 °C
- 1 Year Warranty

Options

•Optimized Performance over Selected Bandwidth

- Pass through output RF connector
- Torque point coating
- Improved Gain Flatness ± 1.0 dB Max
- Improved IN and OUT VSWR
- Gain and Phase matching
- Custom Gain and Output Power

Specifications (23 °C)

Parameter	Min.	Typ.	Max.	Unit
Frequency Range	17.7	—	21.2	GHz
Noise Temperature *	—	—	101	K
Gain	60	62	—	dB
Gain Flatness	—	—	± 2.0	dB
P1dB Output Power	10	—	—	dBm
Input VSWR	—	1.25:1	1.3:1	
Output VSWR	—	1.3:1	1.5:1	
Operating Temperature	-55	—	+85	°C
Third Order Intercept	20	—	—	dBm
Phase Linearity	—	$\pm 2.5^\circ$	$\pm 5.0^\circ$	
Group Delay	—	—	± 0.1	nSec
Voltage	+15	—	—	V
Current	—	450	—	mA

* —

