

## Wide Band Low Noise Amplifier 0.18GHz ~ 0.66GHz



### Features

- Gain: 26dB Typical •
- Noise Figure: 0.6dB Typical •
- P1dB Output Power: +23dBm •
- Supply Voltage: +5V @ 115mA •
- 50 Ohm Matched Input / Output
- Size: 0.63" x 0.59" x 0.39"

### Typical Applications

- Wireless Infrastructure
- RF Microwave & VSAT
- Military & Aerospace •
- Test Instrument
- Fiber Optics

Electrical Specifications, TA = +25°C, Vcc = +5V

Parameter	Min.	Typ.	Max.	Min.	Typ.	Max.	Units
Frequency Range	0.18		0.4	0.4		0.66	GHz
Gain	25	27		23	24		dB
Gain Flatness		±0.6	±1.0		±1.0	±1.5	dB
Gain Variation Over Temperature (-45 ~ +85)		±0.6	±1.0		±0.8	±1.0	dB
Noise Figure		0.6	0.8		0.6	0.8	dB
Input VSWR		1.6			1.5		: 1
Output VSWR		1.8			1.7		: 1
Output Power for 1 dB Compression (P1dB)	21	23		21	23		dBm
Saturated Output Power (Psat)		25			25		dBm
Output Third Order Intercept (IP3)		37			36		dBm
Supply Current (Vcc=+5V)		115	150		115	150	mA
Isolation S12		-32			-31		dB
Weight	1.06						ounces
Impedance	50						Ohms
Input / Output Connectors	SMA - Female						
Finishing	Standard: Gold 40 micron; Nickel 220 micron thickness						
	Optional: Gold 80 micron; Nickel 180 micron thickness						
Material	Aluminum						
Package Sealing	Epoxy Sealing (Standard)						
	Hermetically Sealed (Option with extra charge)						