

## RF Amplifier

- \* Operating Frequency : 300-500 MHz
- \* Gain : 31dB
- \* Noise Figure : 1.0dB
- \* P1dB : 15dBm



### ELECTRICAL SPECIFICATION @ VDD= +12 VDC; Temp. = 25°C, 50Ω System

Parameter	Symbol	Min	Typ	Max	Unit
Operating Frequency	BW	100		3000	MHz
Gain	G	30	32		dB
Gain Flatness	Δ G		±1.0	±1.5	dB
Noise Figure	N.F.		4	5	dB
Output Power	P 1dB	10	15		dBm
Two Tone Intercept @ 15dBm output per tone	IP3		30		dBm
VSWR in/out	S11/S22		2.0:1	2.2:1	Ratio
Operating Voltage	Vdc		12		Volt
Operating Current	Id		250	350	ma

### MECHANICAL SPECIFICATION

Parameter	Description	Limits	Units
Dimension	2x1x0.5		
	SMA-F		
Cooling	None		
Monitor Connector	None		

### PROTECTION

		Max	
RF Input Power		-10	dBm
Reverse Polarity Protection	N/A		
Load VSWR	Infinite up to 1W		
Stability	100% Tested		

### ENVIRONMENTAL CHARACTERISTICS

Parameter	Symbol	Min.	Typ.	Max.	Units
Operating Case Temperature	Tc	-20C		70	°C
Storage Temperature	Tstg	- 55C		120°C	°C

Outline Drawing

