

## RF Amplifier

- \* Operating Frequency : 300-3000 MHz
- \* Gain : 35dB typ
- \* High IP3 36dBm

### ELECTRICAL SPECIFICATION @ VDD= +15 VDC; Temp. = 25°C, 50Ω System

Parameter	Symbol	Min	Typ	Max	Unit
Operating Frequency	BW	300		3000	MHz
Gain	G	33	35	37	dB
Gain Flatness	Δ G		±0.5	±1.0	dB
Noise Figure	N.F.		3.5	4	dB
Output Power	P 1dB	25	26		dBm
Two Tone Intercept @ 12dBm output per tone	IP3	34	35		dBm
Two Tone Intercept @ 12dBm output per tone	IP2	44	45		dBm
VSWR in/out	S11/S22		1.6:1	1.8:1	Ratio
Operating Voltage	Vdc		15		Volt
Operating Current	Id		400	450	ma

### MECHANICAL SPECIFICATION

Parameter	Description	Limits	Units
Dimension	1.05 x 0.62 x 0.30		
Cooling	None		
Monitor Connector	None		

### PROTECTION

	Max	
RF Input Power	30	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	-40		70	°C
Storage Temperature	Tstg	- 55C		120°C	°C

Outline Drawing

