

RF Amplifier

- * Operating Frequency : 20-3000 MHz
- * Gain : 20dB
- * High IP3 40dBm
- * High IP2 60dBm



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

Parameter	Symbol	Min	Typ	Max	Unit
Operating Frequency	BW	20		3000	MHz
Gain	G	17	20		dB
Gain Flatness	Δ G		±0.7	± 1.0	dB
R. Isolation	S12	40			dB
Noise Figure	N.F.		4	5	dB
Output Power	P 1dB	24	25		dBm
Two Tone Intercept @ 10dBm output per tone	IP3	37	40		dBm
IP2 @ P Out = + 10dBm	IP2	55	60		dBm
VSWR in/out	S11/S22		1.7:1	2.0:1	Ratio
Operating Voltage	Vdc		15		Volt
Operating Current	Id		400		ma

MECHANICAL SPECIFICATION

Parameter	Description	Limits	Units
Dimension	SMA Housing		
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	0		50	°C
Storage Temperature	Tstg	- 55C		120°C	°C

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Outline Drawing

