

RF Amplifier

* Operating Frequency : 20-1000 MHz

* Gain : 20dB Typ.

* High IP3 42dBm

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

Parameter	Symbol	Min	Typ	Max	Unit
Operating Frequency	BW	20		1000	MHz
Gain	G	18	20	22	dB
Gain Flatness	Δ G		±0.35	± 0.5	dB
Noise Figure	N.F.		7	8	dB
Reverse Isolation	R.I	38	40		dB
Output Power	P 1dB	20	24		dBm
Two Tone Intercept @ 10dBm output per tone	IP3	40	42		dBm
IP2 @ P Out = + 10dBm	IP2	50	60		dBm
VSWR in/out	S11/S22		1.5	1.6:1	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	20	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

