

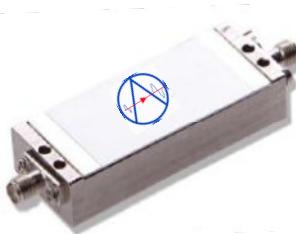
RF Amplifier

* Operating Frequency : 10-1000 MHz

* Linear Power : 1 Watt

* IP3 : 45 dBm

* Gain : 30 dB



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

Parameter	Symbol	Min	Typ	Max	Unit
Operating Frequency	BW	10		1000	MHz
Gain	G	28	30		dB
Gain Flatness	ΔG		± 0.50	± 0.75	dB
Noise Figure	N.F.		4	7	dB
Output Power	1 dBm	29	30		dBm
Two Tone Intercept	OIP3	43	45		dBm
Two Tone Intercept	OIP2	65	70		
VSWR in/out	S11/S22		1.8 :1	2.0:1	Ratio
Operating Voltage	Vdc		15		Volt
Operating Current	Id		440	500	ma

MECHANICAL SPECIFICATION

Parameter	Description	Limits	Units
Dimension	2"x1"x0.5"		inches
RF Connectors IN/OUT	SMA-F		
DC Connector	Filtercon		
Cooling	None		
Monitor Connector	None		

PROTECTIONS

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

ENVIRONMENTAL CHARACTERISTICS

Parameter	Symbol	Min.	Typ.	Max.	Units
Operating Case Temperature	Tc	0°C		70°C	°C
Storage Temperature	Tstg	- 55C		120°C	°C

