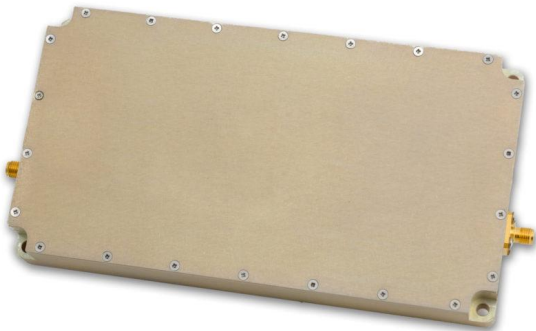


**10KHz - 1GHz RF Amplifier**

- Power: 30dBm
- Voltage = 24 vdc
- Current = 600 ma
- Gain: 31 dB



**Description:**  
10KHz - 1 GHz CW amplifier.

**ELECTRICAL SPECIFICATIONS @ VDD= +24VDC: Temp.= 25, 50Ω System**

Parameter	Symbol	Min	Typ	Max	Unit
Operating Frequency	BW	.01		1000	MHz
Power Output CW Sat.	Psat		32		dBm
Power Output @ 1 dB Compression Point	P1dB		28		dBm
Gain Small Signal	G1dB	29	32		dB
Input Power for Rated Pout	Pin		-1		dBm
Gain Flatness @ 1watt	ΔG		±1.2	±1.8	dB
Input Return-Loss	S11		-20	-16	dB
Noise Figure 10-1000MHz	NF		12		dB
Harmonics @ 28dBm,	H		-25	-20	dBc
Ip3, 20dBm/tone,	IP3		+39		dBm
Spurious Signals	Spur			-60	dBc
Operating Voltage	Vdc	22	24	26	Volt
Quiescent Current	Idq		0.6		Amp

**MECHANICAL SPECIFICATIONS**

Parameter	Description	Limits	Units
Dimensions	5.75 x 3.40 x 1.062	Max	Inch
RF Connectors IN/OUT	SMA, Female	-	-
DC Connectors	Feedthru filtered	-	-
Cooling	External Heatsink optional		
Weight	16	Max	oz

**PROTECTIONS**

Thermal Shutdown	70°C	Typ
Input Overdrive	+10 dBm Max	Max
Load VSWR	Infinite to 1watts Output	Max
Reverse Polarity Protection	None	-

**ENVIRONMENTAL CHARACTERISTICS**

Parameter	Symbol	Min	Typ	Max	Units
Operating Case Temperature	Tc	0°C		+70°C	°C
Storage Temperature	Tstg	-40°C		+85°C	°C
Relative humidity non-condensation	RH	95			%



---

---


**HOUSING OUTLINE:**