

Plug-In

Low Noise Amplifier

AMP-76

50Ω

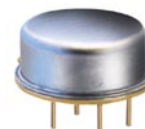
5 to 500 MHz

Features

- low noise, 3.1 dB typ.
- hermetic, TO-8 can

Applications

- military, hi-rel applications
- small signal amplifiers
- printed circuit designs
- VHF/UHF



CASE STYLE: PP120
PRICE: \$83.45 ea. Qty. (1-9)

Low Noise Amplifier Electrical Specifications

MODEL NO.	FREQUENCY (MHz)		NOISE FIGURE (dB)	GAIN (dB)			MAXIMUM POWER (dBm)		INTERCEPT POINT (dBm)	VSWR (:1) Typ.		DC POWER	
	f_L	f_U		Flatness Max.	Min.	Total Range	Output (1 dB Compr.)	Input (no damage)		In	Out	Volt (V) Nom.	Current (mA) Max.
AMP-76	5	500	3.1		26	± 0.7 ± 1.0	+13.5	+6	+28	2.0	2.0	15	71

m = mid range [2 fL to fU/2]

Open load is not recommended, potentially can cause damage.
With no load derate max input power by 20 dB

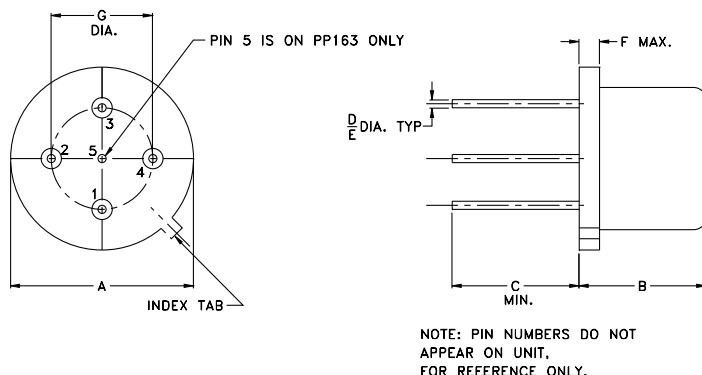
Pin Connections

RF IN	2
RF OUT	4
DC	1
GROUND	3
CASE GROUND	3

Maximum Ratings

Operating Temperature	-54°C to 85°C
Storage Temperature	-55°C to 100°C
DC Voltage	+17V Max.

Outline Drawing



Outline Dimensions (inch/mm)

A	B	C	D
.50	.21	.15	.016
12.70	5.33	3.81	0.41
E	F	G	wt
.020	.04	.300	grams
0.51	1.02	7.62	1.5

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AMP-76
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FREQUENCY (MHz)	GAIN (dB)			DIRECTIVITY (dB)			VSWR (:1)		NOISE FIGURE (dB)	POUT at 1 dB COMPR. (dBm)
	12V	15V	16V	12V	15V	16V	IN	OUT		
10.00	26.84	28.02	28.24	9.40	8.80	8.80	1.04	1.32	3.06	16.64
19.30	26.99	28.17	28.37	9.10	8.70	8.60	1.04	1.30	3.01	16.90
46.50	26.99	28.15	28.35	9.30	8.70	8.60	1.07	1.32	2.97	16.83
111.80	26.75	27.90	28.14	9.50	9.10	8.80	1.17	1.37	3.01	16.73
198.50	26.78	27.92	28.12	9.50	9.10	8.90	1.31	1.46	2.96	16.71
248.70	26.89	28.08	28.27	9.60	8.80	8.70	1.38	1.52	3.00	16.70
311.50	26.86	27.98	28.23	9.60	9.00	8.70	1.47	1.61	3.04	16.73
374.40	26.74	27.96	28.19	9.90	8.90	8.70	1.54	1.68	3.12	16.66
437.20	26.55	27.77	27.98	9.90	9.10	8.80	1.58	1.69	3.21	16.55
500.00	26.67	27.96	28.20	9.60	8.40	8.20	1.63	1.69	3.25	16.42

