

Plug-In Amplifier

10 to 2500 MHz

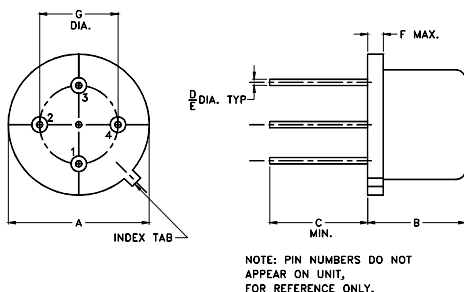
Maximum Ratings

Operating Temperature	-54°C to 85°C
Storage Temperature	-55°C to 100°C

Pin Connections

RF IN	2
RF OUT	4
DC	1
CASE GND	3

Outline Drawing



Outline Dimensions (inch/mm)

A	B	C	D	E	F	G	wt.
.50	.21	.15	.016	.020	.04	.300	grams
12.70	5.33	3.81	.41	.51	1.02	7.62	1.5

Features

- wide band, 10 to 2500 MHz
- general purpose gain block
- +15V at 35mA typical

Applications

- military and high reliability
- small signal amplifier
- buffer amplifier



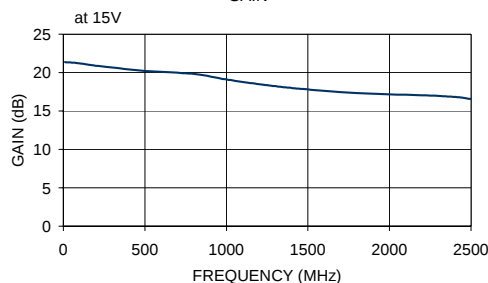
CASE STYLE: PP120
PRICE: \$73.95 ea. QTY (1-9)

Electrical Specifications

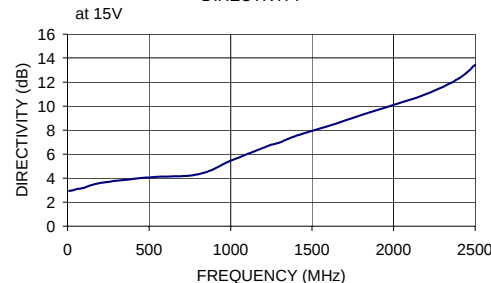
MODEL NO.	FREQ. (MHz) f_L - f_U	NF (dB) Typ.	GAIN (dB)			MAXIMUM POWER (dBm)		INTERCEPT POINT (dBm) IP3 Typ.	VSWR (:1) Typ.		DC POWER	
			Min.	Flatness Max. m	Total range	Output (1 dB Comp.) Typ.	Input (no damage)		In	Out	Volt (V)	Current (mA)
AMP-25G	10-800	3.0	18	± 0.85	± 1.4	12.2	+13	26	1.4	1.2	15	55
	800-1600	3.0	15	± 1.2	± 1.6	12.5	+13	28	1.6	1.2	15	55
	1600-2500	4.5	15	± 0.4	± 1.0	10.0	+13	22	1.8	1.3	15	55

m = mid range $[2 f_L \text{ to } f_U/2]$

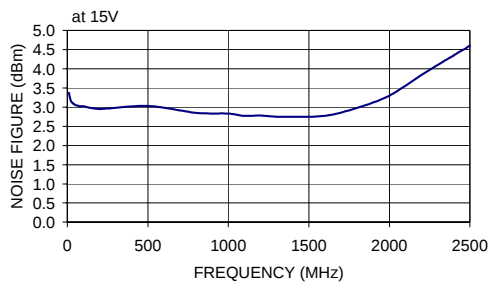
AMP-25G GAIN



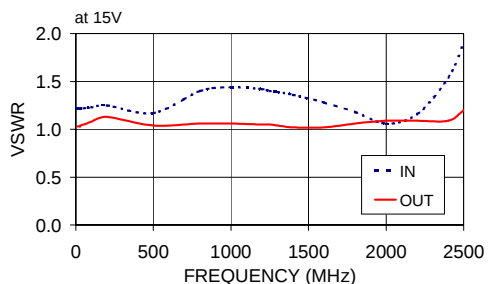
AMP-25G DIRECTIVITY



AMP-25G NOISE FIGURE



AMP-25G VSWR



AMP-25G 1 dB COMPRESSION

