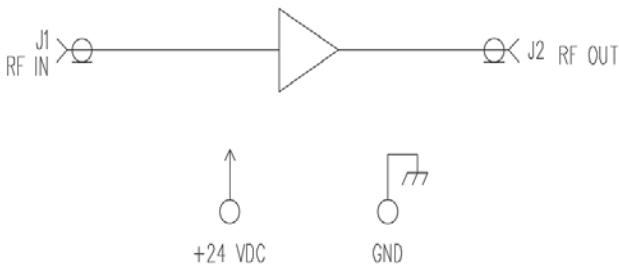


### FEATURES

- Technology: GaAs FET
- Frequency Range: 0.05-3.0 GHz
- Output  $P_{1dB}$  Power: 2W Min
- Output  $P_{SAT}$  Power: 3W Min
- High  $IP_2$ : 55 dBm
- High  $IP_3$ : 44dBm
- Small Signal Gain: 27 dB Typical
- S.S. Gain Flatness:  $\pm 1.0$ dB
- PAE: 30 Typical
- DC Input: +20 to +32V
- Interface: SMA/Fed Thru
- Input Survivability +30dBm

### APPLICATIONS: Broadband Linear Amplifier

### FUNCTIONAL BLOCK DIAGRAM

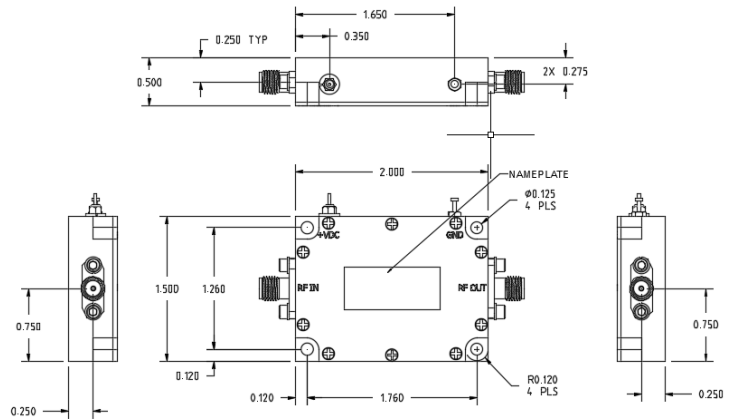


### PRODUCT SPECIFICATION

Parameter	Min.	Typ.	Max.	Units	Notes
Frequency	0.05		3.0	GHz	
Output $P_{1dB}$ Power	33	34		dBm	
Output $P_{SAT}$ Power	34	36			
Output $IP_2$	55	56		dBm	
Output $IP_3$	42	44			
Small Signal Gain	26	27	28	dB	
S.S. Gain Flatness		$\pm 0.75$	$\pm 1.0$	dB	
PAE	20	25		%	@ P1dB
VSWR (Input)		1.5:1	1.7:1		
VSWR (Output)		1.7:1	2:1		
Impedance		50		$\Omega$	
Input Power			+30.0	dBm	
DC Voltage	+20	+24	+32	V	
DC Current (+24V)		550	600	mA	CW
Operating Temp	0	+25	+85	$^{\circ}C$	Base



### OUTLINE DRAWING



### TYPICAL PERFORMANCE

