

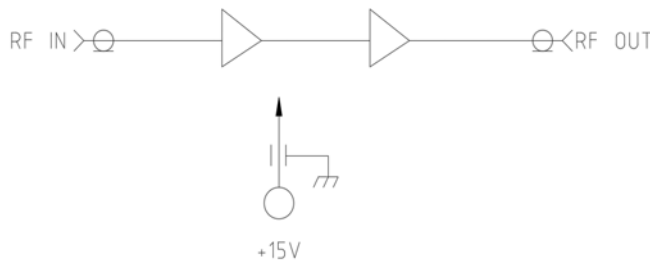
FEATURES

- Technology: GaAs
- Frequency Range: 8.5-11.0 GHz
- Output P_{1dB} Power: 30dBm
- Output P_{SAT} Power: 31dBm
- High IP_3 : 40dBm
- Small Signal Gain: 32 dB Typical
- S.S. Gain Flatness: ± 0.25 dB Typical
- Noise Figure: 5.0dB
- DC Input: +15V Nominal
- Interface: Removable SMA/Fed Thru

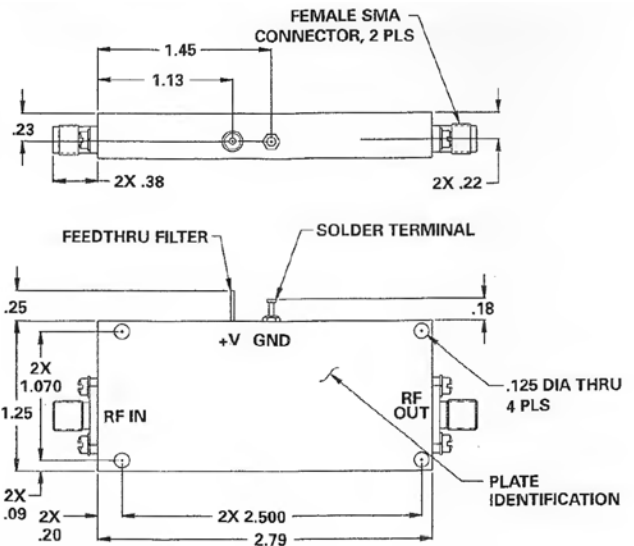


APPLICATIONS: X-Band Medium Power Amplifier

FUNCTIONAL BLOCK DIAGRAM



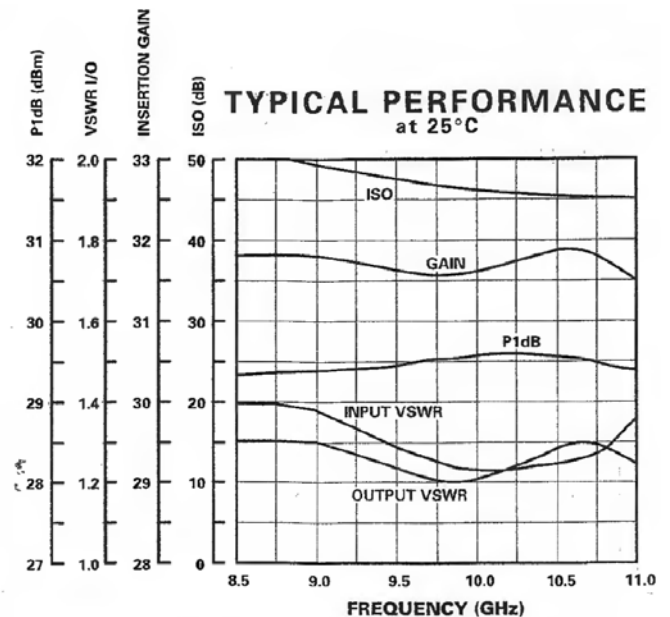
OUTLINE DRAWING



PRODUCT SPECIFICATION

Parameter	Min.	Typ.	Max.	Units	Notes
Frequency	8.5		11.0	GHz	
Output P_{1dB} Power		30		dBm	
Output P_{SAT} Power		31		dBm	
Output IP_3	39	40		dBm	
Small Signal Gain	30	32		dB	
S.S. Gain Flatness		± 0.25	± 0.50	dB	
NF		5.0	6.0	dB	
VSWR (Input)		1.5:1	1.6:1		
VSWR (Output)		1.5:1	1.6:1		
Impedance		50		Ω	
DC Voltage	+12	+15		V	
DC Current (+15V)		0.90		A	CW
Dimensions	2.79x1.25x0.45			inch	
Operating Temp	-40	+25	+85	$^{\circ}C$	Baseplate

TYPICAL PERFORMANCE



Typical Performances