

# Low Noise Amplifier

50 Ohm      3100 - 3500 MHz

## Features

- : Very low noise, 1.2 dB typ.
- : High IP3, 38.0 dBm typ.
- : Rugged shielded case
- : Low cost
- : Gold/Clear Alodine Finish per MIL-C-5541
- : Input Voltage 7-15 Vdc



Case Style      A101

Connector	Model	Price
SMA	SLA-31035	\$80.00

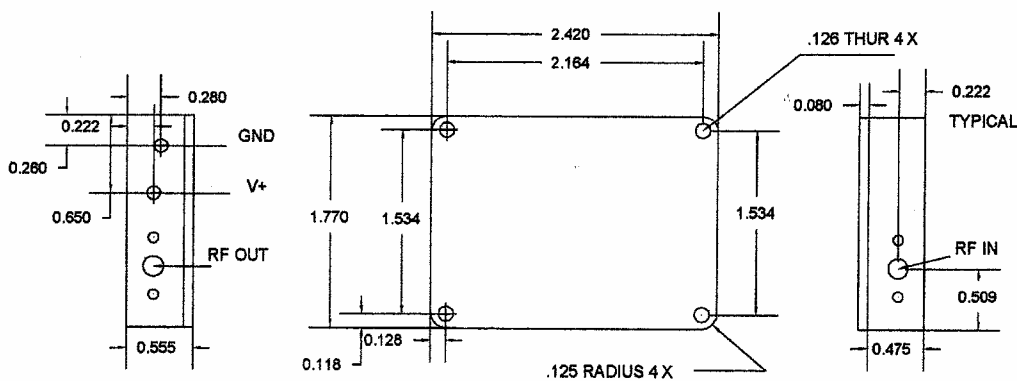
## Electrical Specifications at Ambient (25 °C)

Model No.	Frequency (MHz)		Noise Figure (dB)	Gain (dB)	Output Power (dBm)	Intercept Point (dBm)	VSWR (:1)		DC Power	
	F <sub>Low</sub>	F <sub>High</sub>	Typ	Typ	Output (1db comp.) Typ.	IP3 Typ	In	Out	Volt (V) Nom.	Current (mA) Max
SLA-31035	3100	3500	1.2	17.5	22.0	38.0	1.9	1.9	15	190

## Maximum Ratings

Operating Temperature	-40°C - +65°C
Storage Temperature	-55°C - +100°C
DC Voltage	+18 VDC
Input Power (no damage)	+10 dBm

## Outline Drawing (inches)



# Typical Performance Data / Curves

# SLA-31035

Frequency (MHz)	Gain (dB)	VSWR		NF (dB)	P1dB (dBm)
		I/P (:1)	O/P (:1)		
3100	17.5	2.10	1.31	1.2	21.6
3157	17.7	1.80	1.34	1.2	22.0
3214	17.9	1.53	1.45	1.2	21.5
3271	18.0	1.31	1.59	1.2	21.9
3328	17.9	1.17	1.75	1.2	22.0
3385	17.8	1.20	1.89	1.2	22.0
3442	17.9	1.31	2.01	1.2	22.2
3500	17.8	1.42	2.30	1.2	22.4

