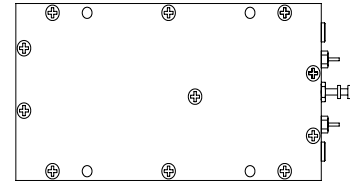


The **SM2022-37RY4** is a GaAs FET amplifier designed for various military and commercial applications.



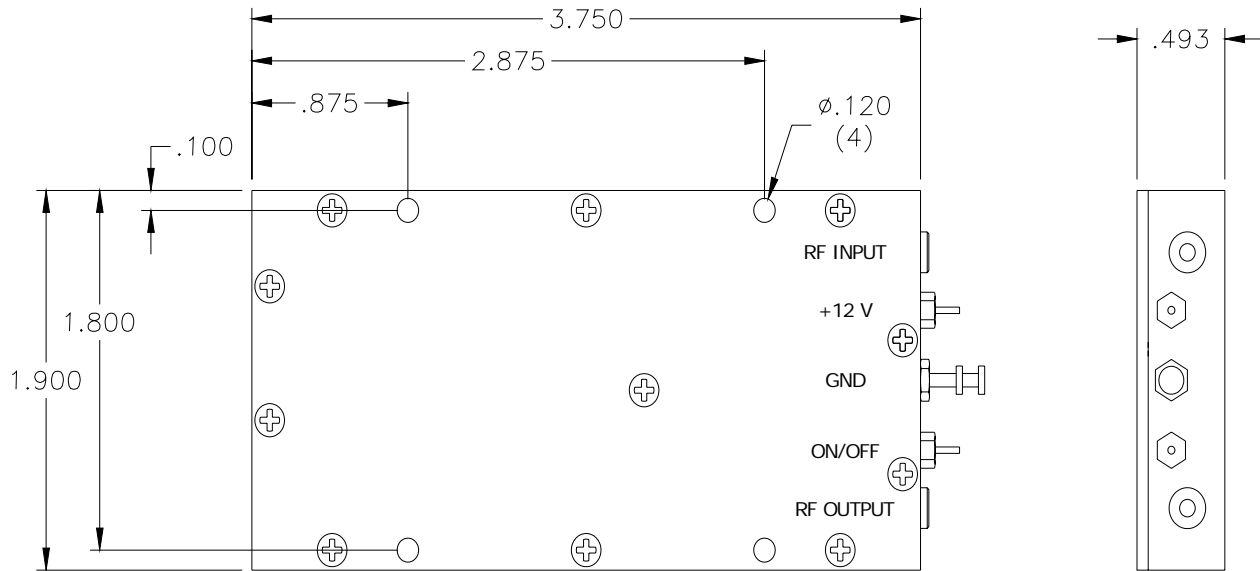
### Features:

- Single DC Supply of +12V
- Over/Reverse Voltage Protection
- Thermal Protection with Auto Reset
- RF Bypass Mode when off

### Options

- TTL on/off

Parameter	Specification
Frequency Range	2200 - 2500 MHz
Pout (P1dB)	+ 37 dBm
Linear Gain	11 dB $\pm$ 1dB
OIP3	52 dBm
Gain Flatness over Full Band	$\pm$ .5 dB
Input/Output Return Loss	-10/-10
DC Supply	+ 12 Volts @ 1.7 Amps
RF Connectors	MMCX
Operating Temperature	0°C to 85°C (Base plate)
Operating Humidity	95% Non-condensing
Mechanical Dimensions	4.7x1.9x.5 inches
Operating Altitude	Up to 10,000 feet above Sea Level

**DIMENSIONS IN INCHES**


Pin	Description	Values
RF Input	Input Connector (MMCX)	+26 dBm for drive to P1dB
RF Output	Output Connector (MMCX)	+ 37 dBm @ P1dB
GND	Ground Turret	---
+24VDC	DC Input Voltage	+ 12 Volts @ 1.7 Amps

*Specifications subject to change without notice.*