

FEATURES

- Coverage From 0.5 to 18 GHz
- 10-20dB Of Gain Control 0-5VDC
- Small Signal Gain of 18-45dB
- Compact Thin-Film Construction
- High Frequency Stability&High Reliability
- Operating temperature:-55~+85°C

APPLICATIONS

- Test Instrumentation
- Communication System
- Radar&Warfare system



ELECTRICAL SPECIFICATIONS@25°C:

Parameter	Min	Typical	Max	Units
Frequency Range	12		18	GHz
Gain	25			dB
Gain Control Range	0		10	dB
Gain Flatness			±1.5	dB
Noise Figure@Min Gain Control			5	dB
Noise Figure@Max Gain Control			6	dB
Output Power 1dB@Min Gain Control	15			dBm
Output Power 1dB@Max Gain Control	12			dBm
VSWR Input/output			2:1	Ratio
Gain Control Voltage Range	0		+5	Volt
DC Power Supply		12		Volt
Current		200		mA

ENVIRONMENTAL RATINGS:

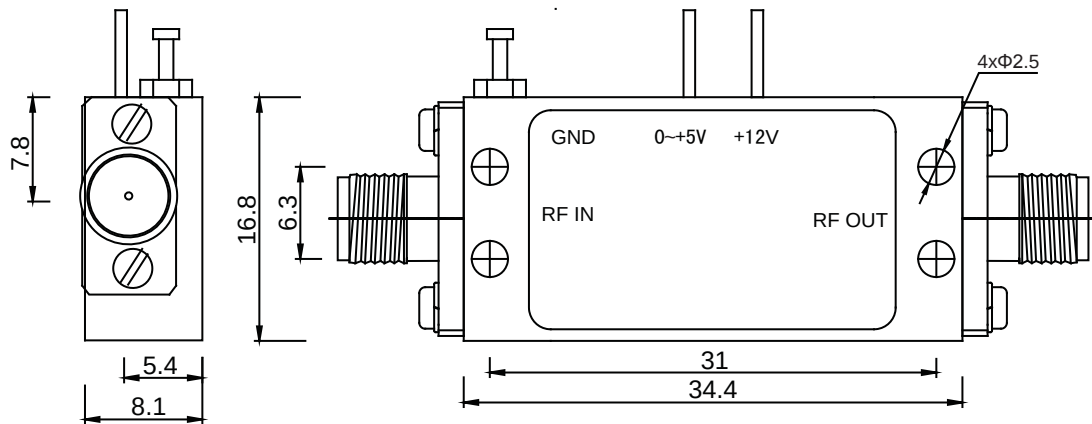
Parameter	Min	Typical	Max	Units
Max Input power			+20	dBm
Operating Temperature	-40		+85	°C
Non-operating Temperature	-55		125	°C
Relative humidity (non-condensing)		95		%
Altitude (MIL-STD-810F)	10000		30000	feet
Shock / Vibration (MIL-STD-810F)		Airbone		

MECHANICAL SPECIFICATIONS:

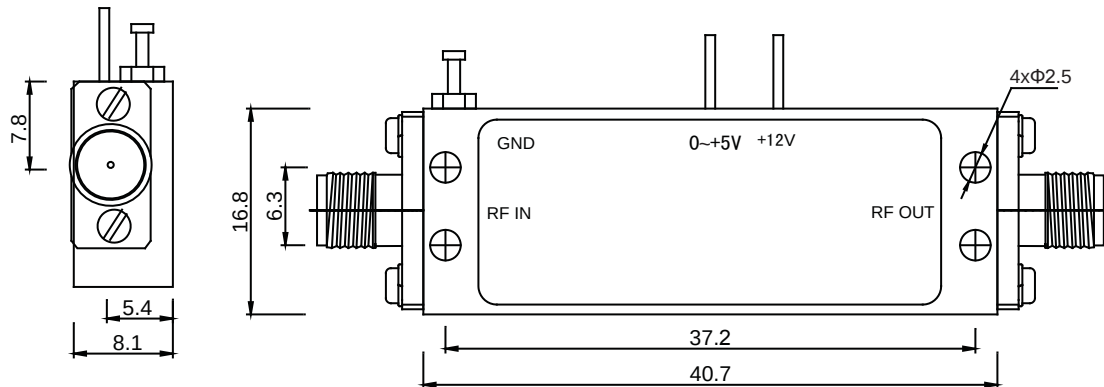
Parameter	Value	Limits	Units
Dimensions	34.4*16.8*8.1	Max	Millimeter
Weight	50	Max	gram
RF Connectors Input	SMA-F		
RF Connectors output	SMA-F		
Impedance	50		ohms

Note:miniature size,drop-in ,SMT and customized specification is also available

OUTLINE DRAWING(mm):



BH2



BH3