

FEATURES

- Wide Bandwidth
- Low Power Consumption
- Low Noise Figure
- Miniature Sizes for drop-In Assembly
- Hermetically Sealed Package for Military Application

APPLICATIONS

- Microwave Radio & VSAT
- Military & Space
- Test Instrumentation
- Fiber Optics



ELECTRICAL SPECIFICATIONS@25°C:

Parameter	Min	Typical	Max	Units
Frequency Range	2		6	GHz
Gain	35			dB
Flatness			± 2	dB
Output Power Psat		40		dBm
O IP3	47			dBm
Noise Figure			8	dB
VSWR			2:1	Ratio
DC Power Supply		28		Volt
Current		2		A

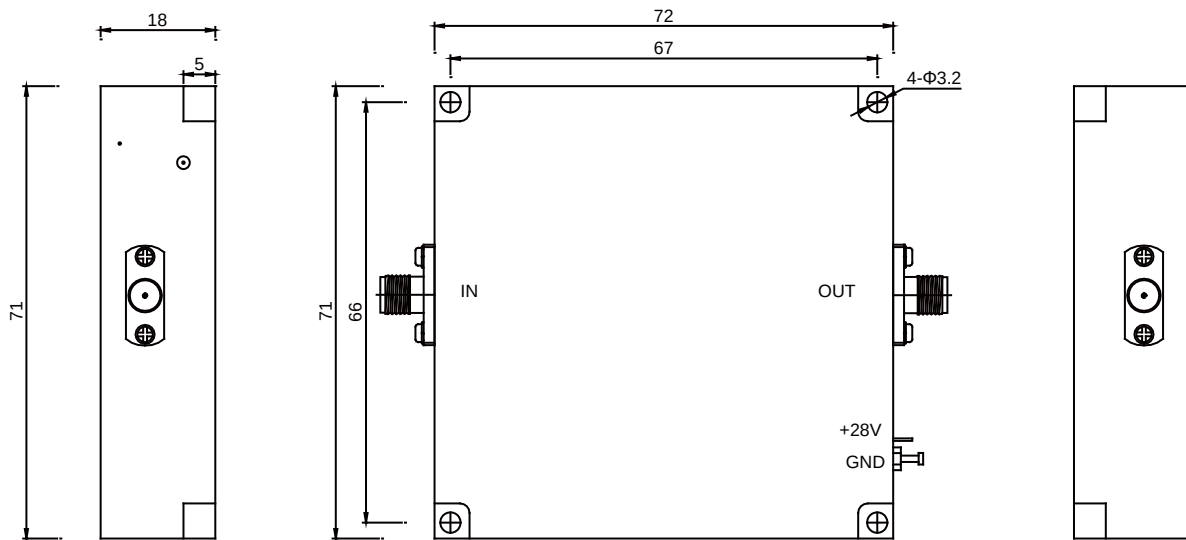
ENVIRONMENTAL RATINGS:

Parameter	Min	Typical	Max	Units
Max Input power			+25	dBm
Operating Temperature	-40		+70	°C
Non-operating Temperature	-65		+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	72*71*18	Max	Millimeter
Weight	200	Max	gram
RF Connectors Input	SMA-F		
RF Connectors output	SMA-F		
Impedance	50		ohms

OUTLINE DRAWING(mm):



PM93

TEST DATA:

Frequency range (GHz)	Gain(dB) Min	Gain Power (dBm)Min	Input VSWR Max	Output VSWR max	Current @+28V(A)	Quiescent Current @+28V(A)
2-6	36.4	40.8	1.88	1.86	1.35	2.45