

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	0.7		2.5	GHz
Gain	-40		50	dB
Gain Flatness			±2	dB
Past Output		+46		dBm
RF Input Drive			0	dBm
Output Power @ 1dB GCP	44	45		dBm
Harmonic Spurious@46dBm			-10	dBc
Spur signals			-60	dBc
Input/Output Return Loss	-15		-10	dB
DC Power Supply		28		Volt
Current			7	A

ENVIRONMENTAL RATINGS:

Parameter	Min	Typical	Max	Units
Max Input power			+25	dBm
Operating Temperature	-25		+55	°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		

PROTECTIONS:

Input Power Overdrive	+10 dBm	Max
Load VSWR	∞ @ all load phase & amplitude for duration of 1 minute 3:1 @ all load phase & amplitude continuous	Nom
Thermal Overload	85°C shutdown	Max

Note: Cooling: External heaksink+airflow.

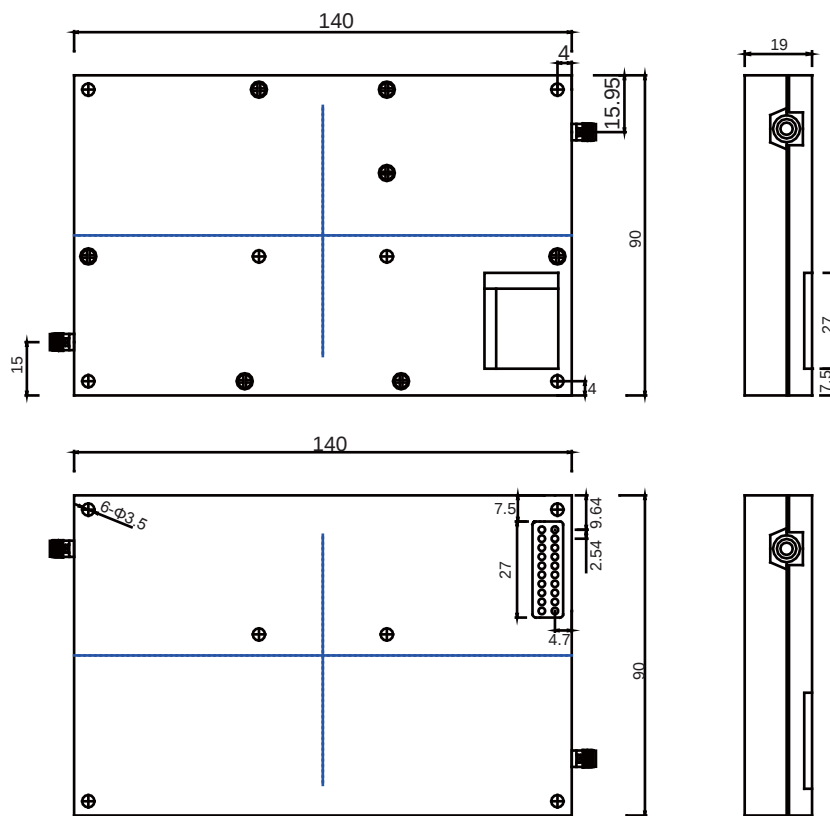
MECHANICAL SPECIFICATIONS:

Parameter	Value	Limits	Units
Dimensions	140*90*19	Max	Millimeter
Weight	TBD	Max	gram
RF Connectors Input	SMA-F		
RF Connectors output	SMA-F		
Impedance	50		ohms

INTERFACE CONNECTORS:

1	2	3	4	5	6	7	8	8	10
On/Off	GND	GND	GND	Temp Monitor	GND	GND	+Vdd	+Vdd	+Vdd

OUTLINE DRAWING(mm):



PM07