

YSPA31-R8-18-S-B

0.8-18 GHz Benchtop PA, 31 dB Psat, SMA

Key Features

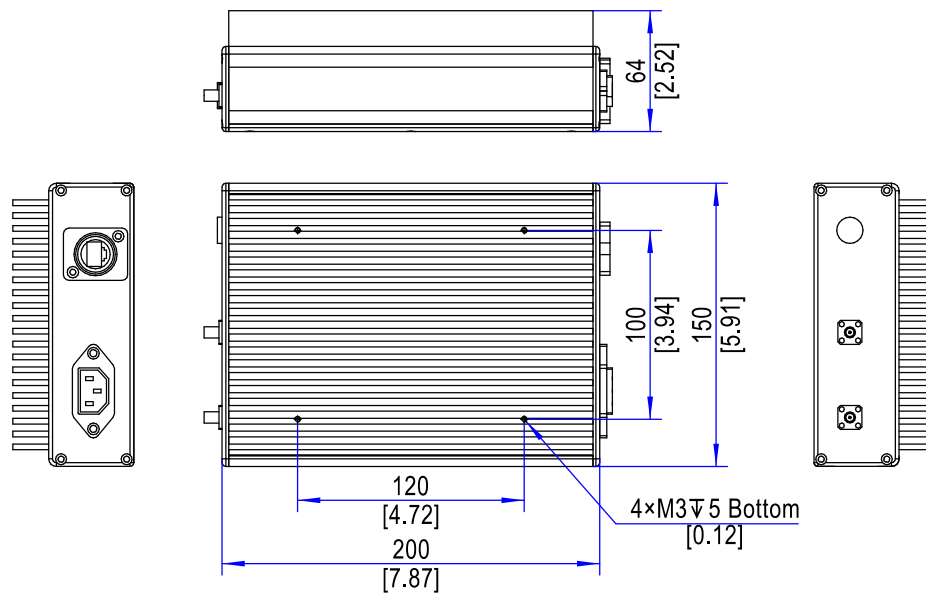
- Broadband 0.8-18 GHz coverage
- 31 dBm Psat
- Low spurious emissions
- High reliability for continuous operation
- Compact module with 220 V supply

Applications

- Broadband communication systems
- Radar transmitter subsystems
- RF test and measurement
- Electronic warfare (EW)
- Microwave research laboratories

Electrical Specifications				
Parameter	Min.	Typ.	Max.	Unit
Frequency Range	0.8	-	18	GHz
Gain	30	-	-	dB
Gain Flatness	-	±2.0	±2.5	dB
Input VSWR	-	2.0	2.2	-
Output VSWR	-	2.0	2.2	-
Output P1dB	-	29	-	dBm
Output Psat	30	31	-	dBm
Spurious	-	-60	-	dBc
Input Max Power(no damage)	-	-	5	dBm
AC Supply Voltage	220 V / 50 Hz			V
Impedance	50			Ω
Environmental Specifications				
Operating Temperature	-25°C to +85°C			
Storage Temperature	-55°C to +125°C			
* Heat Sink required during operation				
Mechanical Specifications				
Connectors	SMA Female			
Material	Aluminium / Black anodizing			
Weight	2200 g			
Dimensions ¹	200×150×64 mm [7.87×5.91×2.52 in]			

Outline Drawing (Units: mm/[inch], Tolerance: ±0.2 mm)



Note 1: Excluding Connectors