

YSPA29-18-40-K-B

18-40 GHz Benchtop PA, 29 dB Psat, 2.92 mm

Key Features

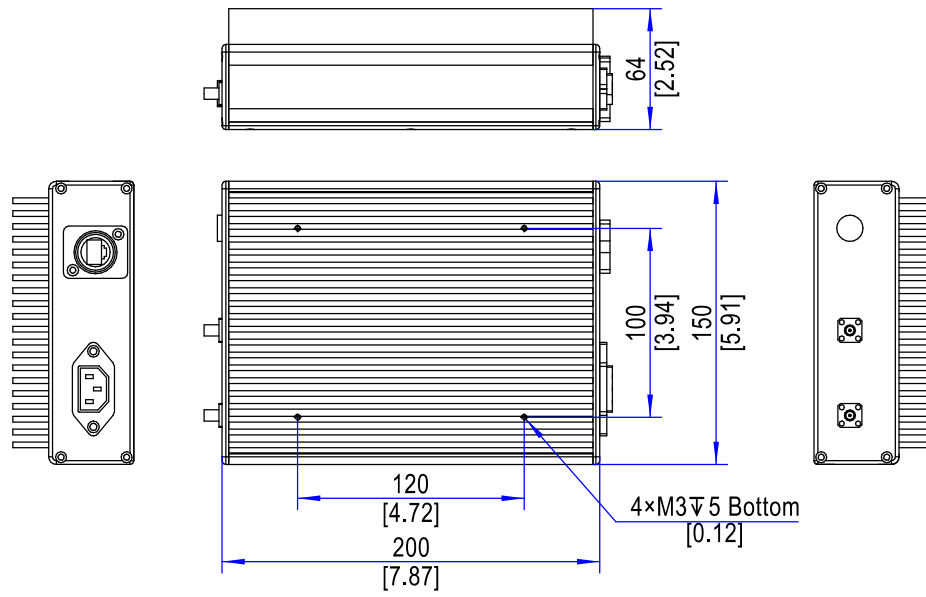
- Broadband 18-40 GHz coverage
- 29 dBm Psat
- Low spurious emissions
- High reliability for continuous operation
- Compact module with +24 V supply

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	18	-	40	GHz
Gain	33	35	-	dB
Gain Flatness	-	-	±3.5	dB
Input VSWR	-	-	2.2	-
Output VSWR	-	-	2.5	-
Noise Figure	-	5.0	-	dB
Output Psat	26	29	-	dBm
Spurious	-	-60	-	dBc
Input Max Power(no damage)	-	-	0	dBm
Supply Voltage	-	+24	-	V
Supply Current	-	-	0.9	A
Batch Amplitude Consistency	-	-	±1.5	dB
Amplitude and Phase Stability	0.2 dB; 3°@ 15 minutes			-
Impedance	50			Ω
Environmental Specifications				
Operating Temperature	-45°C to +85°C			
Storage Temperature	-55°C to +125°C			
* Heat Sink required during operation				
Mechanical Specifications				
Connectors	2.92 mm Female			
Material	Aluminium			
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