

YSPA38-18-40-K-HS

18-40 GHz Power Amplifier, 38 dB Psat, 2.92 mm

Key Features

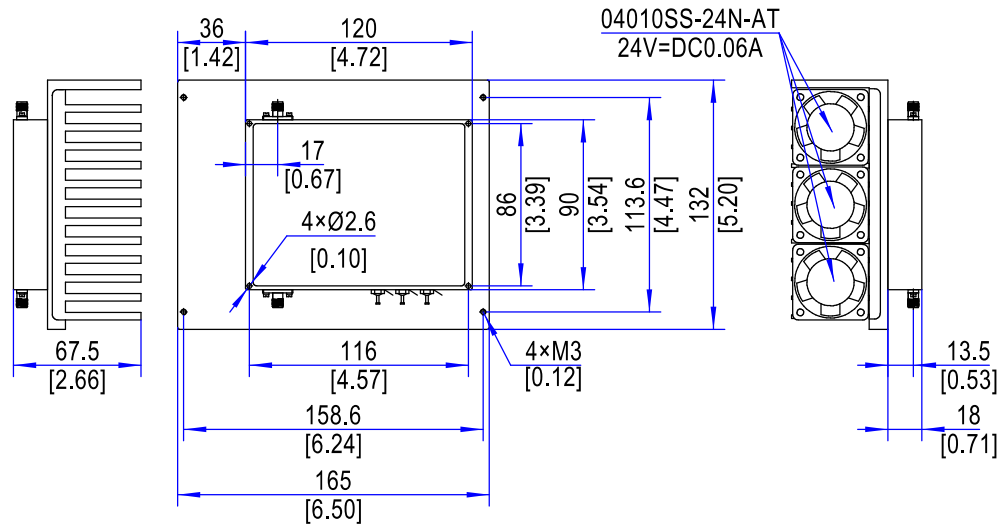
- Broadband 18-40 GHz coverage
- 38 dBm Psat
- Low spurious emissions
- High reliability for continuous operation
- Compact module with +28 V supply

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	-	45	-	dB
Gain Flatness	-	±2.5	-	dB
Input VSWR	-	2.0	-	-
Output Psat	36.5	38	-	dBm
Input Max Power(no damage)	-	-	0	dBm
Supply Voltage	-	+28	-	V
Supply Current @ Pout=7 W	-	5	-	A
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 / Sliver Painting			
Weight	1570 g			
Dimensions ¹	165×132×67.5 mm [6.50×5.20×2.66 in]			

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



Note 1: Excluding Connectors