

YSPA40-23-25-K-HS

23-25 GHz Power Amplifier, 40 dB Psat, 2.92 mm

Key Features

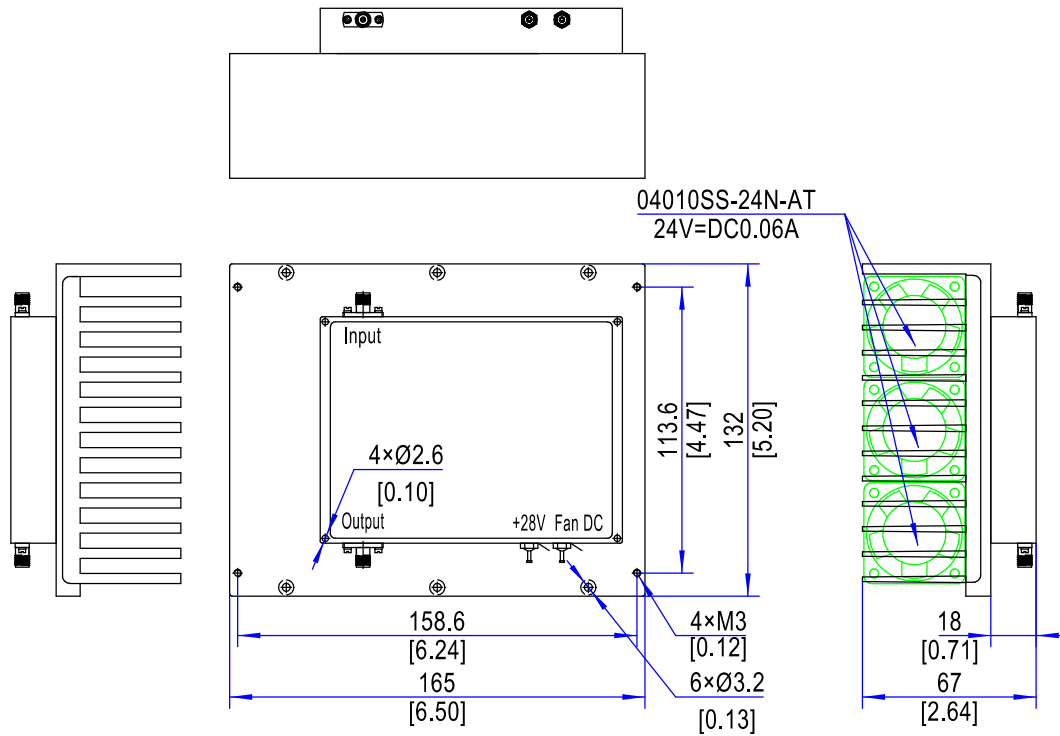
- Broadband 23-25 GHz coverage
- 40 dBm Psat
- Low spurious emissions
- High reliability for continuous operation
- Compact module with +28 V supply

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	23	-	25	GHz
Gain	40	-	-	dB
Gain Flatness	-	±1.5	±2.0	dB
Input VSWR	-	2.0	-	-
Output P1dB	-	38	-	dBm
Output Psat	40	-	-	dBm
Spurious	-	-60	-	dBc
Input Max Power(no damage)	-	-	5	dBm
Supply Voltage	-	+28	-	V
Supply Current @ Pout=10 W	-	4	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	2.92 mm Female			
Material	Aluminium			
Weight	-			
Dimensions ¹	165×132×67 mm [6.50×5.20×2.64 in]			

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



Note 1: Excluding Connectors