

YSPA34-24R9-25R1-K-HS

24.9-25.1 GHz Power Amplifier, 34 dB Psat, 2.92 mm

Key Features

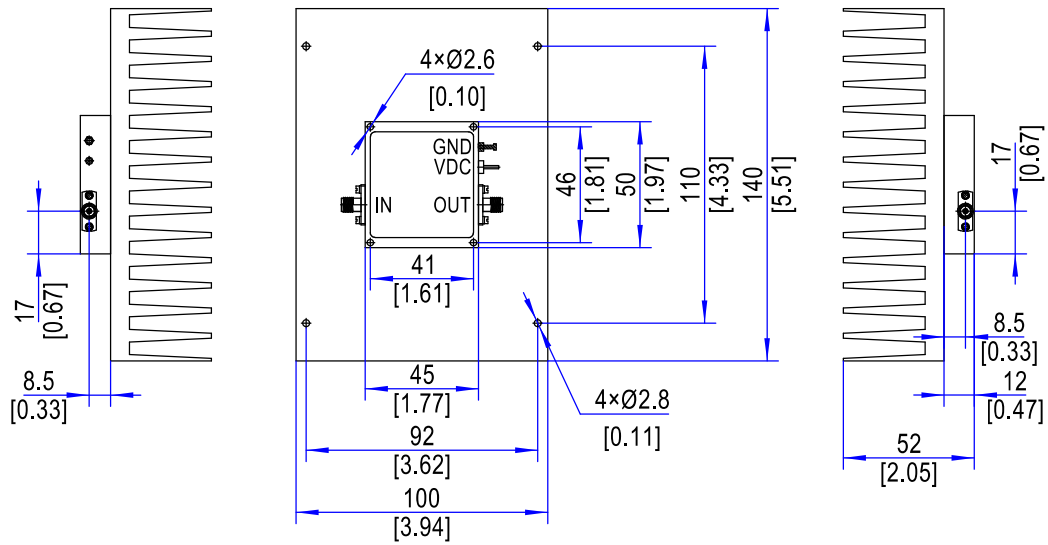
- Broadband 24.9-25.1 GHz coverage
- 34 dBm Psat
- Low spurious emissions
- High reliability for continuous operation
- Compact module with +18 V supply

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	24.9	-	25.1	GHz
Gain	40	-	-	dB
Gain Flatness	-	±0.4	±0.6	dB
Input VSWR	-	-	2.0	-
Output VSWR	-	-	2.0	-
Noise Figure	-	6.0	-	dB
Output P1dB	33	-	-	dBm
Output Psat	-	34	-	dBm
OIP3	-	40	-	dBm
Spurious	-	-60	-	dBc
Input Max Power(no damage)	-	-	0	dBm
Supply Voltage	11	-	18	V
Supply Current @ Pout=2 W	-	2	-	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 / Gold Plating			
Weight	-			
Dimensions ¹	100×140×52 mm [3.94×5.51×2.05 in]			

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



Note 1: Excluding Connectors