

YSPA35-25-31-K

25-31 GHz Power Amplifier, 35 dB Psat, 2.92 mm

Key Features

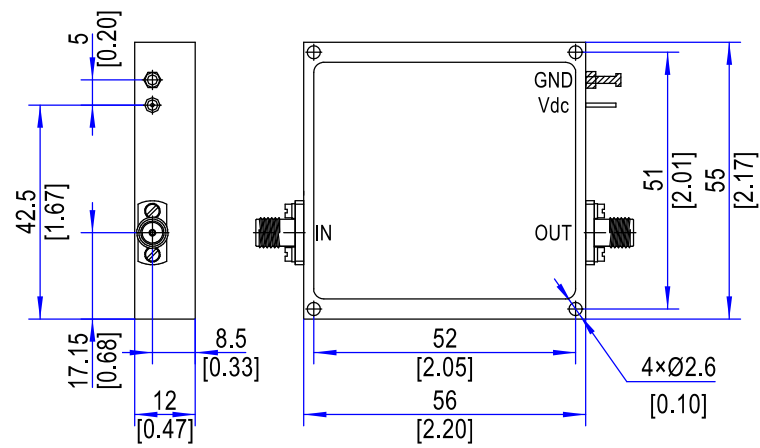
- Broadband 25-31 GHz coverage
- 35 dBm Psat
- Low spurious emissions
- High reliability for continuous operation
- Compact module with +12 V supply

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	25	-	31	GHz
Gain	30	35	-	dB
Gain Flatness	-	-	±2.4	dB
Input VSWR	-	-	2.0	-
Output Psat	34	35	-	dBm
OIP3	-	42	-	dBm
Input Max Power(no damage)	-	-	7	dBm
Supply Voltage	-	+12	-	V
Supply Current	-	2.5	-	A
Impedance	50			Ω
Environmental Specifications				
Operating Temperature	-45°C to +75°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	56×55×12 mm [2.20×2.17×0.47 in]			

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



Note 1: Excluding Connectors