

YSPA30-R1-22-S-HS

0.1-22 GHz Power Amplifier, 30.5 dB Psat, SMA

Key Features

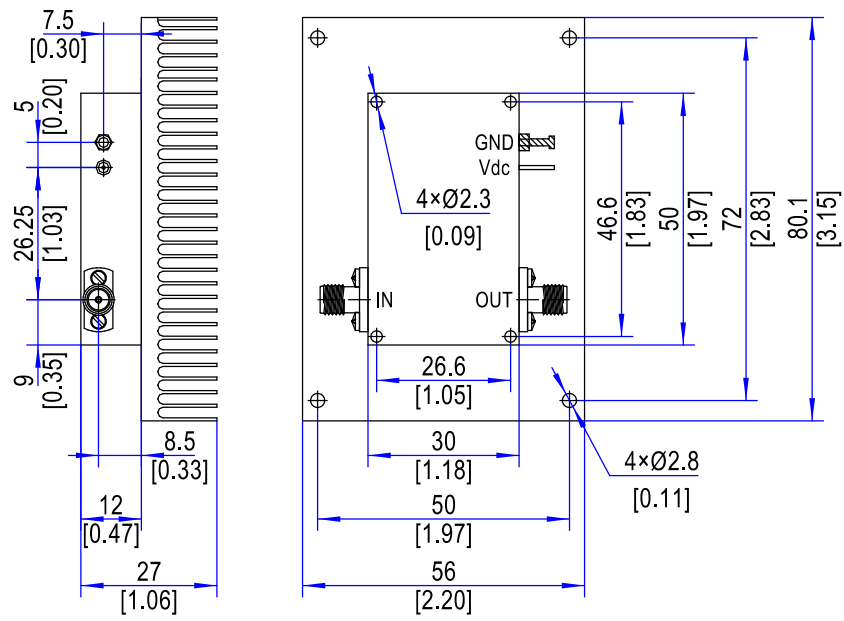
- Broadband 0.1–22 GHz coverage
- 30.5 dBm Psat
- Low spurious emissions
- High reliability for continuous operation
- Compact module with +18 V supply

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	0.1	-	22	GHz
Gain	33	35	-	dB
Gain Flatness	-	±2.5	-	dB
Input VSWR	-	2.0	-	-
Output VSWR	-	2.0	-	-
Noise Figure	-	5.0	-	dB
Output P1dB	-	30	-	dBm
Output Psat	-	30.5	-	dBm
Spurious	-	-60	-	dBc
Input Max Power(no damage)	-	-	5	dBm
Supply Voltage	-	+18	-	V
Supply Current @ P1dB	-	1.0	1.2	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	SMA Female			
Material	Aluminium / Gold Painting			
Weight	130 g			
Dimensions ¹	56×80.1×27 mm [2.20×3.15×1.06 in]			

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



Note 1: Excluding Connectors