

YSPA31-11R7-12R45-S

11.7-12.45 GHz Power Amplifier, 31 dB Psat, SMA

Key Features

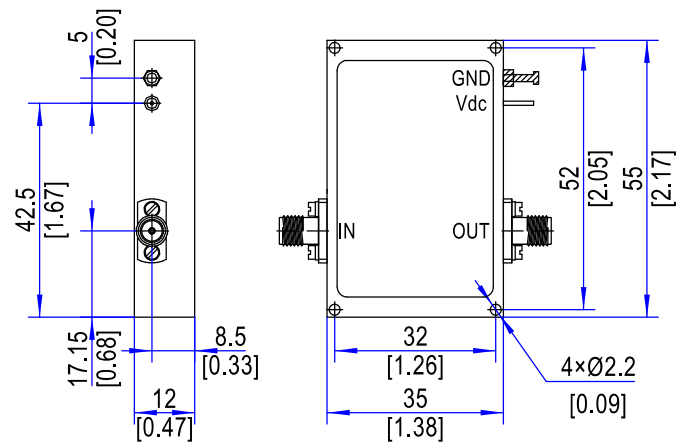
- Broadband 11.7-12.45 GHz coverage
- 31 dBm Psat
- Low spurious emissions
- High reliability for continuous operation
- Compact module with +12 V supply

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	11.7	-	12.45	GHz
Gain	-	35	-	dB
Gain Flatness	-	±1.5	±2.0	dB
Input VSWR	-	1.6	2.0	-
Output VSWR	-	1.6	2.0	-
Output P1dB	-	30	-	dBm
Output Psat	-	31	-	dBm
Input Max Power(no damage)	-	-	0	dBm
Supply Voltage	-	+12	-	V
Supply Current	-	0.6	0.75	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 Plating			
Weight	-			
Dimensions ¹	35×55×12 mm [1.38×2.17×0.47 in]			

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



Note 1: Excluding Connectors