

YSPA32-11R5-12R5-S

11.5-12.5 GHz Power Amplifier, 32 dB Psat, SMA

Key Features

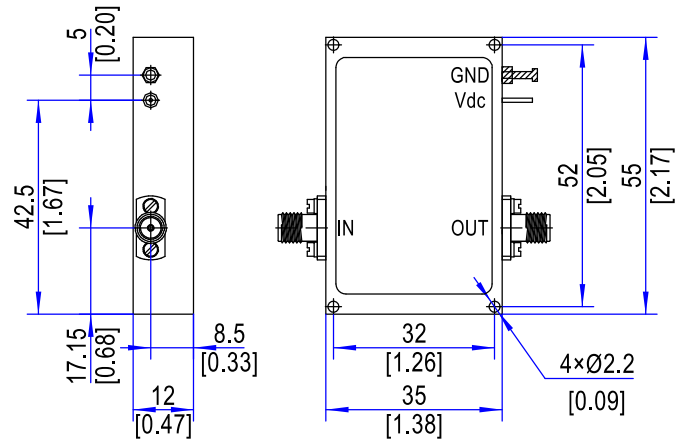
- Broadband 11.5-12.5 GHz coverage
- 32 dBm Psat
- Low spurious emissions
- High reliability for continuous operation
- Compact module with +12 V supply

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	11.5	-	12.5	GHz
Gain	-	35	-	dB
Gain Flatness	-	±1.5	-	dB
Input VSWR	-	1.6	-	-
Output VSWR	-	1.6	-	-
Output P1dB	30	31	-	dBm
Output Psat	31.5	32	-	dBm
Input Max Power(no damage)	-	-	0	dBm
Supply Voltage	-	+12	-	V
Supply Current	-	0.6	0.85	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