

YSPA38-6-12-S

6-12 GHz Power Amplifier, 38 dB Psat, SMA

Key Features

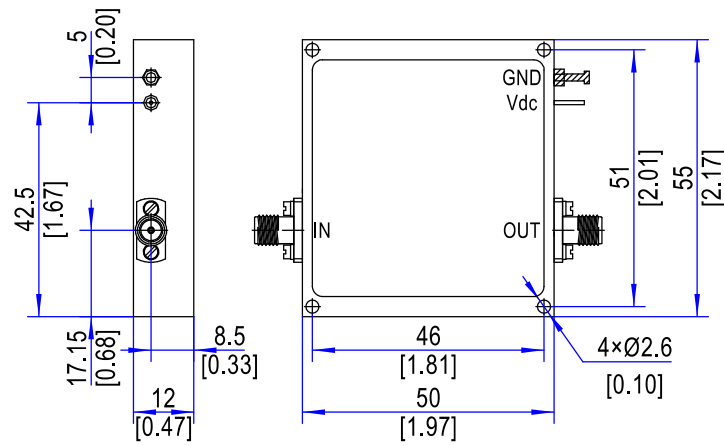
- Broadband 6-12 GHz coverage
- 38 dBm Psat
- Low spurious emissions
- High reliability for continuous operation
- Compact module with +12 V supply

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	6	-	12	GHz
Gain	30	-	-	dB
Gain Flatness	-	±1.5	±2.5	dB
Input VSWR	-	1.5	2.0	-
Output VSWR	-	1.5	2.0	-
Noise Figure	-	6.0	8.0	dB
Output P1dB	36	37	-	dBm
Output Psat	-	38	-	dBm
Spurious	-	-60	-	dBc
Input Max Power(no damage)	-	-	12	dBm
Supply Voltage	-	+12	-	V
Supply Current @ Pout=4 W	-	2.3	2.5	A
Impedance	50			Ω
Environmental Specifications				
Operating Temperature	-45°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	58 g			
Dimensions ¹	50×55×12 mm [1.97×2.17×0.47 in]			

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



Note 1: Excluding Connectors