

YSPA32-R1-18-S

0.1-18 GHz Power Amplifier, 32 dB Gain, SMA

Key Features

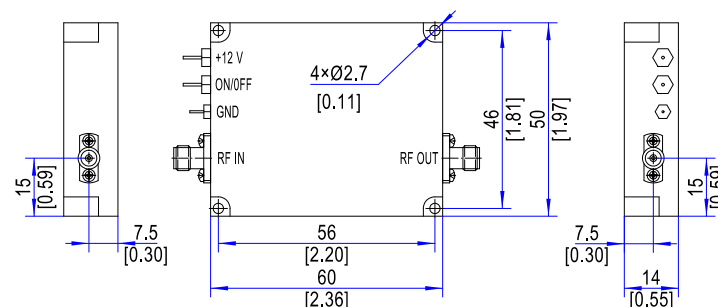
- Broadband 0.1–18 GHz coverage
- 30 dBm Psat
- Low spurious emissions
- High reliability for continuous operation
- Compact module with +12 V supply

Applications

- Broadband communication systems
- Radar transmitter subsystems
- RF test and measurement
- Electronic warfare (EW)
- Microwave research laboratories

Electrical Specifications	
Parameter	Specification
Frequency Range	0.1–18 GHz
Gain	≥32 dB
Gain Flatness	≤±3.0 dB
P1dB	≥27 dBm
Output Psat	≥30 dBm
OIP3	≥35 dBm
Noise Figure	≤5.0 dB
Maximum Input Power (No Damage)	≤+10 dBm
Harmonic Suppression	≤-10 dBc @ P0: +30 dBm
Spurious Suppression	≤-65 dBc
Input VSWR	≤2.0:1
Drain Supply (Vd)	+12 V
Supply Current	1.0 A(Typ.)
Option: On/Off enable control available upon request (Low = Disable, High = Enable)	
Environmental Specifications	
Operating Temperature	-40°C to 70°C
Storage Temperature	-40°C to 85°C
Mechanical Specifications	
Connectors	SMA-Female
Dimensions ¹	60×50×14 mm [2.36×1.97×0.55 in]

Outline Drawing (Units: mm/[inch], Tolerance: ±0.3mm)



Note 1: Excluding Connectors