

YSPA29-40-60-V

40-60 GHz Power Amplifier, 29 dB Psat, 1.85 mm

Key Features

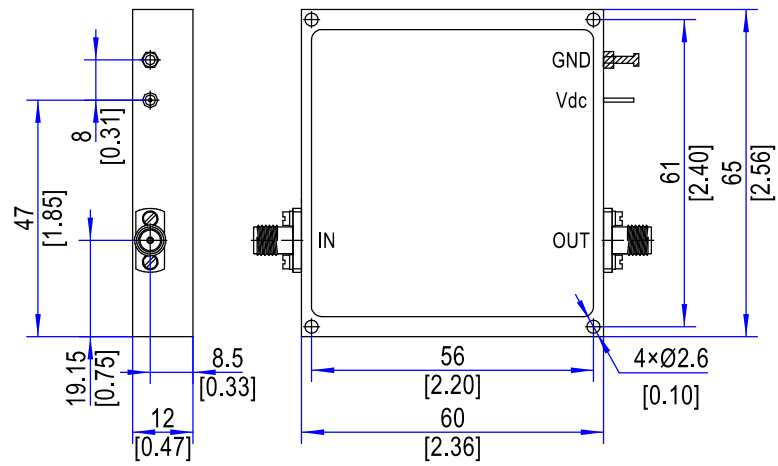
- Broadband 40-60 GHz coverage
- 29 dBm Psat
- Low spurious emissions
- High reliability for continuous operation
- Compact module with +8 V supply

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	40	-	60	GHz
Gain	30	35	-	dB
Gain Flatness	-	±2.5	-	dB
Input VSWR	-	2.0	-	-
Noise Figure	-	5.0	-	dB
Output Psat	-	29	-	dBm
Input Max Power(no damage)	-	-	10	dBm
Supply Voltage	6	-	8	V
Supply Current @ Pout=1 W	-	5	6.5	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	1.85 mm Female			
Material	Aluminium			
Weight	50 g			
Dimensions ¹	60×65×12 mm [2.36×2.56×0.47 in]			

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



Note 1: Excluding Connectors