

YSPA34-6-18-K

6-18 GHz Power Amplifier, 34 dB Psat, 2.92 mm

Key Features

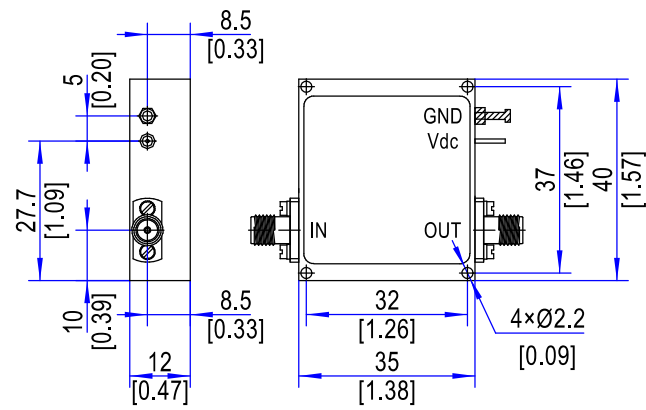
- Broadband 6–18 GHz coverage
- 34 dBm Psat
- Low spurious emissions
- High reliability for continuous operation
- Compact module with +12 V supply

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	-	18	GHz
Gain	30	-	-	dB
Gain Flatness	-	-	±2.0	dB
Input VSWR	-	-	2.2	-
Output VSWR	-	-	2.2	-
Noise Figure	-	7.5	-	dB
Output P1dB	33	-	-	dBm
Output Psat	34	-	-	dBm
OIP3	-	42	-	dBc
Input Max Power(no damage)	-	-	12	dBm
Supply Voltage	-	+12	-	V
Supply Current @ Pout=2 W	-	2.4	-	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	2.92 mm Female			
Material	Aluminium / Gold Plating			
Weight	50 g			
Dimensions ¹	35×40×12 mm [1.38×1.57×0.47 in]			

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



Note 1: Excluding Connectors