

YSLA30-R1-20-5R5

Low Noise Amplifier | LNA | 0.1-20 GHz | 30 dB Gain | 5.5 dB NF

Key Features

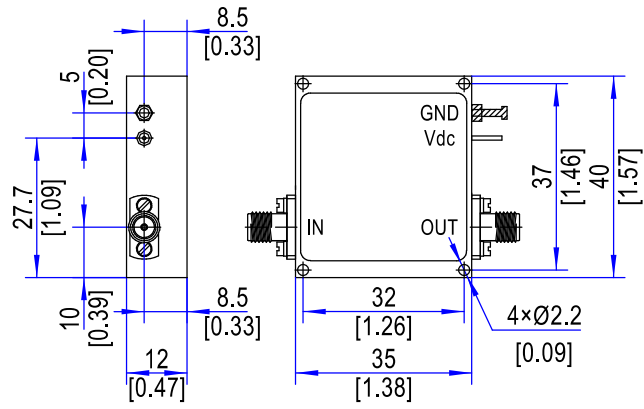
- Ultra-Wideband Coverage
- High gain low-noise amplifier
- Low Noise Figure
- Compact & Rugged Design

Applications

- RF receiver front-end
- Microwave communication systems
- Radar systems
- Satellite communication
- RF test and measurement

Electrical Specifications				
Parameter	Min.	Typ.	Max.	Unit
Frequency Range	0.1	-	20	GHz
Gain	26	30	-	dB
Gain Flatness	-	±2.0	±2.5	dB
Input VSWR	-	1.8	2.2	-
Output VSWR	-	1.8	2.2	-
Output P1dB	18	20	-	dBm
Output Psat	-	22	-	dBm
Spurious	-	-60	-	dBc
OIP3	-	30	-	dBm
Noise Figure @ 0.01-0.5 GHz	-	5.5	-	dB
Noise Figure@ 0.5-20 GHz	-	3.0	5.5	dB
Input Max Power(no damage)	-	-	0	dBm
Supply Voltage	-	+12	-	V
Supply Current	-	350	-	mA
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 Plated			
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