

YSLA30-R1-40-7R5

Low Noise Amplifier | LNA | 0.1-40 GHz | 30 dB Gain | 7.5 dB NF

Key Features

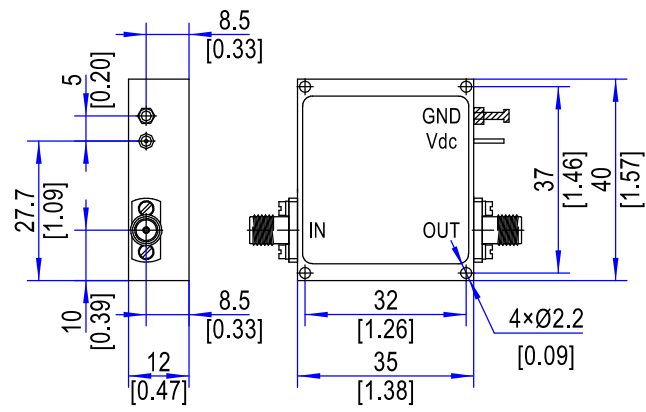
- Ultra-Wideband Coverage
- High gain low-noise amplifier
- Low Noise Figure
- Compact & Rugged Design

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	-	40	GHz
Gain	28	30	-	dB
Gain Flatness	-	-	±3.0	dB
Input VSWR	-	-	2.5	-
Output VSWR	-	-	2.5	-
Output P1dB	15	-	-	dBm
Output Psat	18	22	-	dBm
OIP3	-	27	-	dBm
Noise Figure	-	-	7.5	dB
Input Max Power(no damage)	-	-	5	dBm
Supply Voltage	6	-	15	V
Supply Current	-	400	-	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	2.92 mm Female			
Material	Aluminium			
Weight	41 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