

YSLA20-8000-40000-5

Low Noise Amplifier | LNA | 8-40 GHz | 20 dB Gain | 5 dB Noise Figure

Key Features

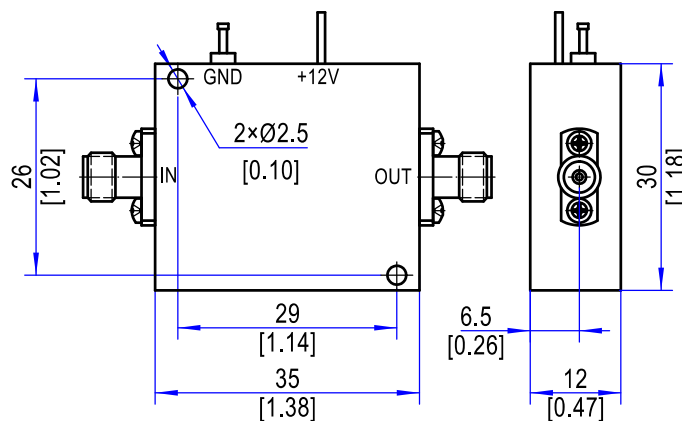
- Ultra-Wideband Coverage
- High gain low-noise amplifier
- Low Noise Figure
- Compact & Rugged Design

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	8	-	40	GHz
Gain	-	20	-	dB
Gain Flatness	-	-	±2.5	dB
Noise Figure	3	5	7 @40 G	dB
Input VSWR			2.5: 1	
Output VSWR			2.5: 1	
Output P1dB	-	16	-	dBm
Output Psat	-	17	-	dBm
Supply Voltage	-	+12	-	V
Supply Current	-	155	-	mA
Environmental Specifications				
Operating Temperature	-40°C to +70°C			
Storage Temperature	-55°C to +85°C			
Mechanical Specifications				
Connectors	2.4 mm(2.92 mm)-Female			
Dimensions ¹	35×30×12 mm [1.38×1.18×0.47 in]			

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



Note 1: Excluding Connectors