

YSLA41-10M-30-5R5

Low Noise Amplifier | LNA | 0.01-30 GHz | 41 dB Gain | 5.5 dB NF

Key Features

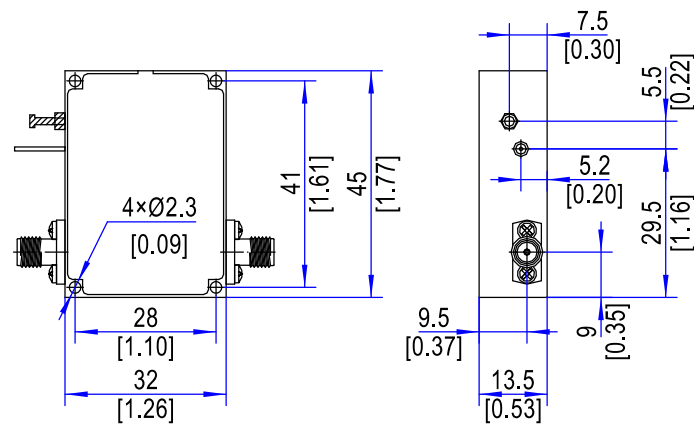
- Ultra-Wideband Coverage
- High gain low-noise amplifier
- Low Noise Figure
- Compact & Rugged Design

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	0.01	-	30	GHz
Gain	33	41	-	dB
Gain Flatness	-	±2.5	±3.5	dB
Input VSWR	-	1.7	2.0	-
Output VSWR	-	1.5	2.0	-
Output P1dB	21	28		dBm
Output Psat	-	30	-	dBm
Spurious	-	-60	-	dBc
OIP3	-	37	-	dBm
Noise Figure	-	3.0	5.5	dB
Input Max Power(no damage)	-	-	6	dBm
Supply Voltage	-	+12	-	V
Supply Current	-	500	-	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			
Dimensions ¹	32×45×13.5 mm [1.26×1.77×0.53 in]			

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



Note 1: Excluding Connectors