

YSLA32-R1-20-4R5

Low Noise Amplifier | LNA | 0.1-20 GHz | 32 dB Gain | 4.5 dB NF

Key Features

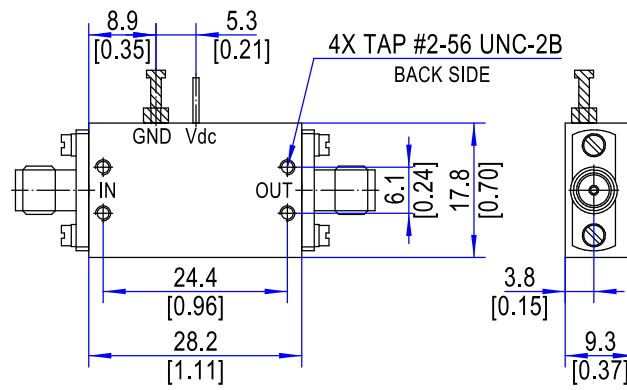
- Ultra-Wideband Coverage
- High gain low-noise amplifier
- Low Noise Figure
- Compact & Rugged Design

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	30	32	-	dB
Gain Flatness	-	±1.5	±1.75	dB
Input VSWR	-	1.5	2.0	-
Output VSWR	-	1.8	2.0	-
Output P1dB	15	-	-	dBm
Output Psat	-	16	-	dBm
Spurious	-	-60	-	dBc
OIP3	-	25	-	dBm
Noise Figure	-	4.0	4.5	dB
Input Max Power(no damage)	-	-	20	dBm
Supply Voltage	9	-	15	V
Supply Current	-	300	-	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	16 g			
Dimensions ¹	28.2×17.8×9.3 mm [1.11×0.70×0.37 in]			

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



Note 1: Excluding Connectors