

YSLA45-10M-6-5

Low Noise Amplifier | LNA | 0.01-6 GHz | 45 dB Gain | 5.0 dB NF

Key Features

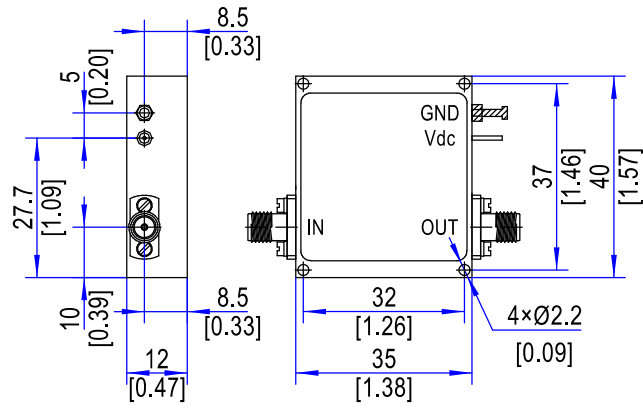
- Ultra-Wideband Coverage
- High gain low-noise amplifier
- Low Noise Figure
- Compact & Rugged Design

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	-	6	GHz
Gain	42	45	-	dB
Gain Flatness	-	±1.5	±2.0	dB
Input VSWR	-	2.0	-	-
Output VSWR	-	2.0	-	-
Output P1dB	15	17	-	dBm
Output Psat	-	18	-	dBm
Spurious	-	-60	-	dBc
OIP3	-	25	-	dBm
Noise Figure	-	4.0	5.0	dB
Input Max Power(no damage)	-	-	-25	dBm
Supply Voltage	-	+12	-	V
Supply Current	-	250	-	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			
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