

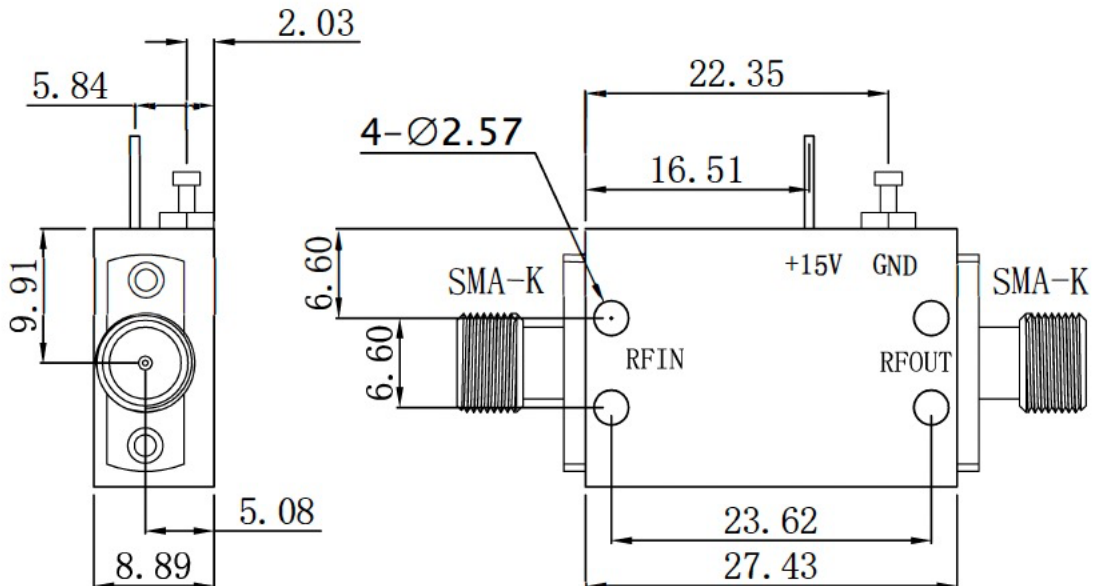
## P/N: AMT-LNA812-3010\_V2.0

### Technical Specification

Frequency Range(GHz)	8 - 12
Gain(dB)	30-34
Gain Flatness (dB)	±0.75 Max.
Noise Figure(dB)	0.9 Typ. 1.0 Max.
Pout@1dB (dBm)	10 min
Inpedance (Ohms)	50
Input/Output VSWR	2: 1 max
Voltage +15V	100 mA (type)
Connetors	SMA-Female/SMA-Female
Operating Temperature (°C)	-55~+85

### Outline (mm)

(For Reference only)





**Test Instruments List**

No.	Equipment Name	Instrument Model	Validity
1	Power Supply	DH1716-4D	June, 29 <sup>th</sup> , 2024
2	Signal Generator	E8247C	Dec., 7 <sup>th</sup> , 2024
3	Spectrum Analyzer	N9020A	Dec., 7 <sup>th</sup> , 2024
4	VNA	E8358A	June, 29 <sup>th</sup> , 2024

**Test Result**

S/N	Gain (dB)	Gain Flatness (dB)	Input VSWR	Output VSWR	P-1Power (dBm)		Noise Figure (dB)	DC Power@+15V (mA)
					8GHz	12GHz		
200028249	32.6/34.0	±0.70	1.5	2.0	8GHz	12.1	0.8	40
					10GHz	11.5		
					12GHz	10.0		
200028250	32.4/33.8	±0.70	1.4	2.0	8GHz	11.3	0.8	30
					10GHz	11.1		
					12GHz	10.0		