

3.4-4.2Hz Low Noise Amplifier

P/N: QLLNA034042GMW60V1



Description:

The amplifier is a low noise amplifier with a typical small signal gain of 60 ± 2 dB and a typical noise figure of 1.5dB across the frequency range of 3.4 to 4.2 GHz. The typical output power P-1 8dBm. The DC power requirement for the amplifier is +5~15VDC/150 mA. Accept customization according to different needs.



- Radar Systems
- Communication Systems
- Receivers Systems

Electrical Specifications (+25°C) :

Parameter	Min.	Typ.	Max.	Units
Frequency Range		3.4-4.2		GHz
Gain		60 ± 2		dB
Gain Flatness		± 0.5	± 1	dB
Amplitude Frequency Characteristic			2	dB
Output VSWR			1.35	-
Output Power for (P1dB)	10			dBm
Gain Slope	全频段 ± 1 dB; ± 0.2 dB/40MHz			dB
Gain Stability	± 0.1 /时; ± 0.2 /天; ± 0.5 /月 (达到热平衡后测试)			dB
Third Order Intermodulation	≤ -40 dBc (-10dBm输出时)			
In Band Overload	0dBm输入时, 其性能不永久性恶化			dBm
DC Current		150		mA
Impedance		50		Ω
Input/Output Connector		FDM40/N-50K		
Material		-		
Weight		-		
Package Sealing	General Sealing (Standard)			

Environmental Specifications:

- ※ Operational Temperature -25°C~+85°C
- ※ Storage Temperature -55°C~+125°C



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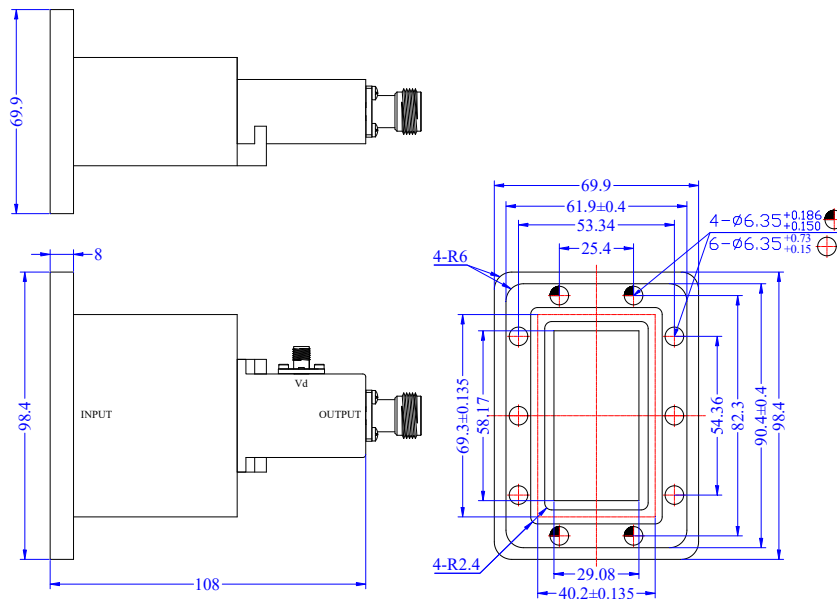
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■ Outline Drawing

All Dimensions in mm (inches) Tolerance ± 0.25 (0.01)



*****Heat Sink required during operation*****

NOTE:

1. The product is designed to meet environmental ratings but not tested. If you need to test environmental condition, please contact our sales department.
2. Miczen technologies co., Ltd. reserves the right to change the above information without notice.

MICZEN THCHNOLOGIES CO.,LTD.

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