



Dynamic Engineers Inc.

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LNA5030CQ-1GHz-18GHz-A

1-18GHz Low Noise Amplifier Module

Features and Benefits

Frequency Range: 1-18GHz

Gain: +55dB Min.

Output Power(P1dB): +10dBm Min.

Noise Figure: 2.2dB Typ.

Operation Temperature: -20°C--+50°C

Size: 50x30x15mm

Typical Applications

Wireless

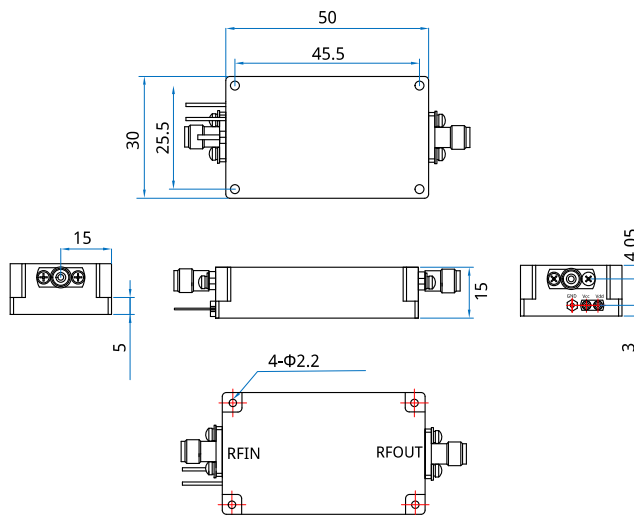
Radar

Receiver

Laboratory Test

Mechanical Drawing & Pin Connections

Drawing No: MD230010-1



Unit in mm
1mm = 0.0394 inches
Tolerance: ±0.2mm



Specifications

Parameter	Condition	Min.	Typical	Max.	Units
Frequency range		1		18	GHz
RF Output Power @ P1dB		+10			dBm
Input Power				0	dBm
Gain		55			dB
Gain Flatness			±2		dB
VSWR			2		
Spurious				-60	dBc
Noise figure			2.2	3	dB
Voltage			+15		V
Current			350		mA
Impedance			50		ohm
Operation Temperature Range		-20		+50	°C
Storage Temperature Range		-40		+85	°C
Dimension (Exclude Connectors)		50x30x15 mm			
Weight		200g Max.			
RF Connectors		SMA Female			
Mounting		4-Φ2.2mm through-hole			