

## Features

- External Reference
- Output Power : 13dBm
- Output Freq. : 19 GHz
- Harmonics : -25 dBc
- RoHS and REACH Compliant

## Electrical Specifications

Description	Units	Minimum	Typical	Maximum
Output Frequency	GHz		19	
Output Power	dBm		13±2	
Phase Noise@10Hz	dBc/Hz			-
Phase Noise@100Hz	dBc/Hz			-
Phase Noise@1KHz	dBc/Hz			-105
Phase Noise@10KHz	dBc/Hz			-110
Phase Noise@100KHz	dBc/Hz			-110
Phase Noise@1MHz	dBc/Hz			-118
Reference Frequency	MHz		100	
Reference Input Power	dBm		4 to 6	
2nd Harmonics	dBc		-25	
Spurious	dBc		-80	
Supply Voltage	V	+	+12	+
Current	mA		300	
Operating Temp.	°C	-40		+70
Lock Detect	TTL High (3.3V - 5V) in Lock ; TTL Low (0V -0.7V) Unlock			

## Note

- Electronic Specification Note : Values at 25deg , sea level. Test indicators will deteriorate at high and low temperature ;
- External Reference & Dual Loop Models Frequency Stability : Same as External Reference.
- External Ref. Phase noise deteriorate : =20 log ( Output Freq / Ref. Freq ) +3

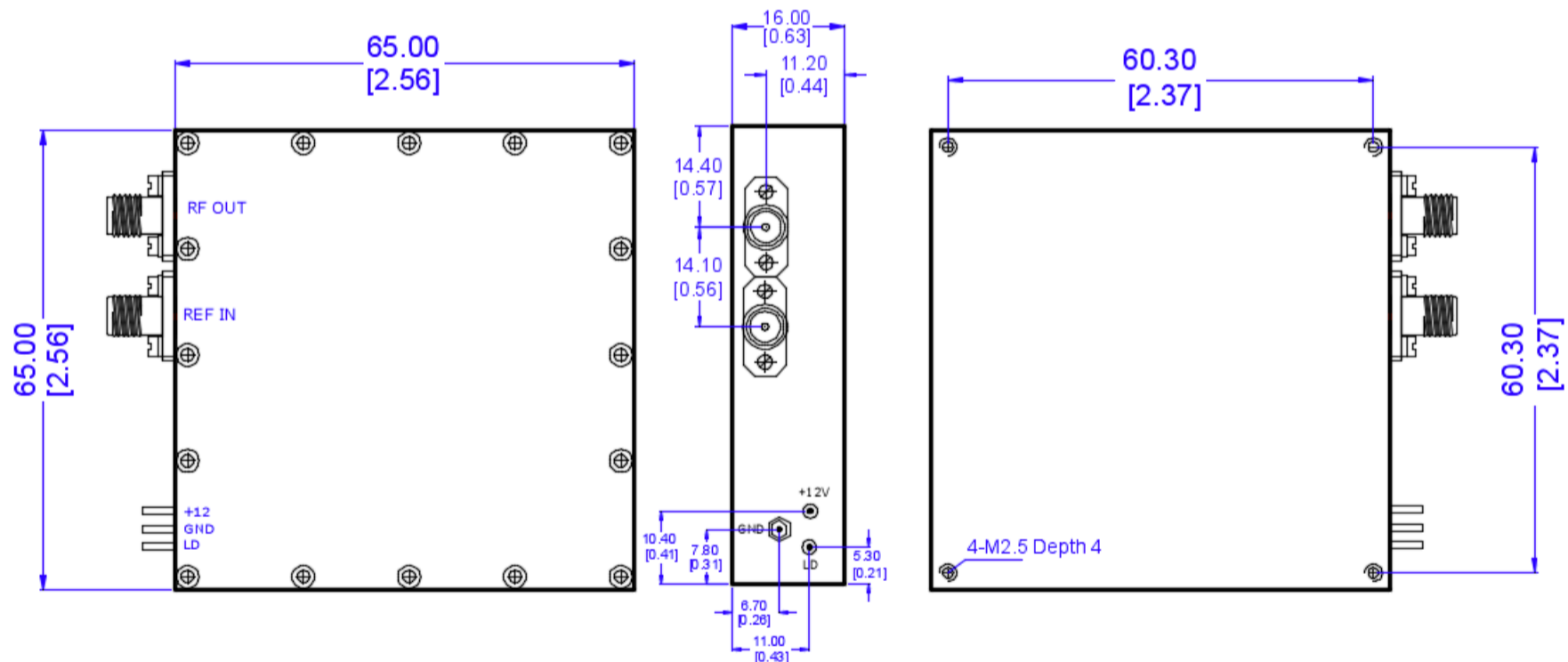
### Mechanical Specifications

Dimension L*W*H	65*65*16 mm
Ref. Connector	SMA-Female Stainless Steel
Output Connectors	SMA-Female Stainless Steel
Weight	TBD g
Finishing	Nickel Plated
Environment	Nominal

### Compliance Certifications

RoHS Compliant	✓
REACH Compliant	✓

### CAD Drawing



Dimensions are in mm [Inches]  
 Tolerances : Outline drawing: ±0.2 [0.008]  
 Hole: ±0.2 [0.008]