

## Features

- External Ref. and Internal Phase-locked
- Output Power : 12dBm
- Output Freq. : 12 GHz
- Harmonics : -20 dBc
- RoHS and REACH Compliant

## Electrical Specifications

Description	Units	Minimum	Typical	Maximum
Output Frequency	GHz		12	
Output Power	dBm		12±1.5	
Phase Noise@10Hz	dBc/Hz			-
Phase Noise@100Hz	dBc/Hz			-55
Phase Noise@1KHz	dBc/Hz			-75
Phase Noise@10KHz	dBc/Hz			-95
Phase Noise@100KHz	dBc/Hz			-100
Phase Noise@1MHz	dBc/Hz			-105
Reference Frequency	MHz		10	
Reference Input Power	dBm		5 ± 5	
2nd Harmonics	dBc		-20	
Spurious	dBc		-60	
Supply Voltage	V		+12	
Current	mA		600	
Operating Temp.	°C	-40		+70
Lock Detect	TTL High (3.3V - 5V) in Lock 10MHz ; TTL Low (0V -0.7V) in Lock 100MHz			

## 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

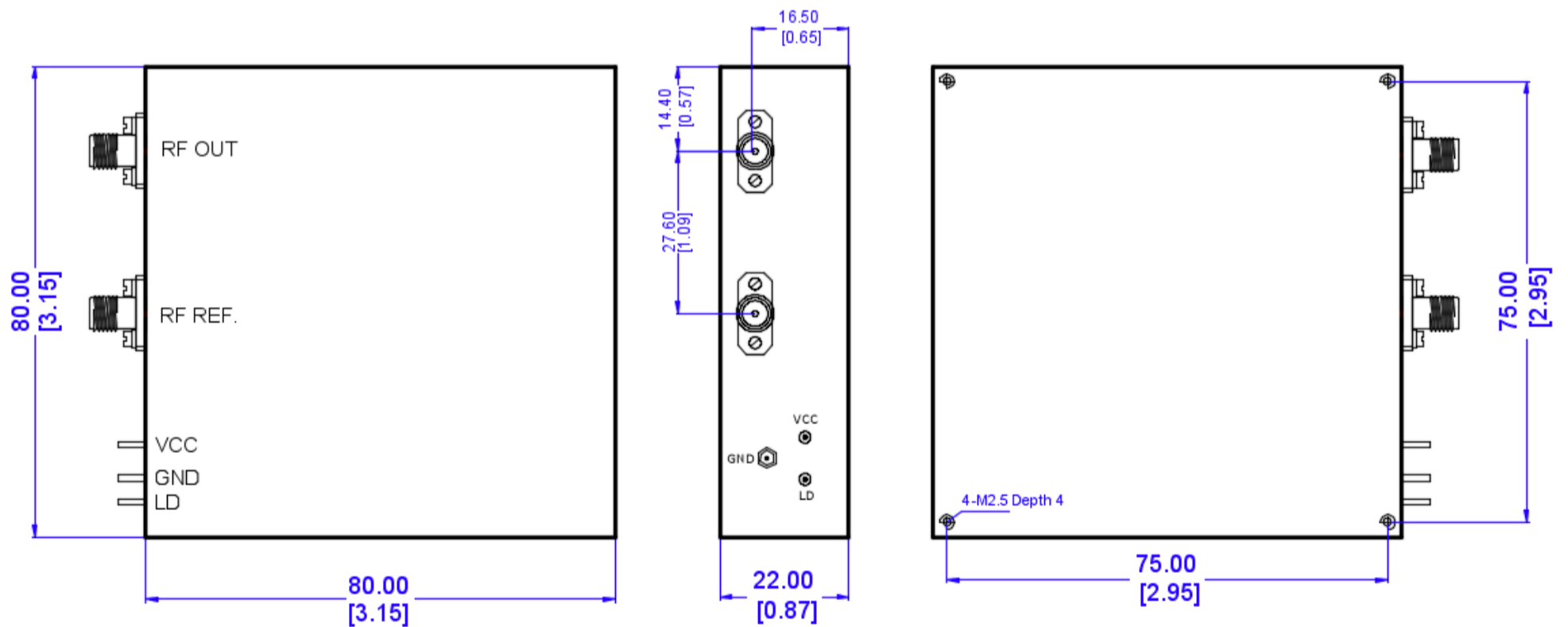
### Mechanical Specifications

Dimension L*W*H	80*80*22 mm
Ref. Connector	SMA-Female Stainless Steel
Output Connectors	SMA-Female Stainless Steel
Weight	250 g
Finishing	Nickel Plated
Environment	Nominal

### Compliance Certifications

RoHS Compliant	✓
REACH Compliant	✓

### CAD Drawing



Dimensions are in mm [Inches]  
Tolerances : Outline drawing:  $\pm 0.2$  [0.008]  
Hole:  $\pm 0.2$  [0.008]