

Features

- External Ref. and Internal Phase-locked
- Output Power : 12dBm
- Output Freq. : 14.5 GHz
- Harmonics : -20 dBc
- RoHS and REACH Compliant

Electrical Specifications

| Description | Units | Minimum | Typical | Maximum |
|-----------------------|--|---------|---------|---------|
| Output Frequency | GHz | | 14.5 | |
| Output Power | dBm | | 12±1.5 | |
| Phase Noise@10Hz | dBc/Hz | | | - |
| Phase Noise@100Hz | dBc/Hz | | | -70 |
| Phase Noise@1KHz | dBc/Hz | | | -100 |
| Phase Noise@10KHz | dBc/Hz | | | -108 |
| Phase Noise@100KHz | dBc/Hz | | | -108 |
| Phase Noise@1MHz | dBc/Hz | | | -128 |
| Reference Frequency | MHz | | 10 | |
| Reference Input Power | dBm | | 0 to 6 | |
| 2nd Harmonics | dBc | | -20 | |
| Spurious | dBc | | -80 | |
| Supply Voltage | V | + | +15 | + |
| Current | mA | | 600 | |
| 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

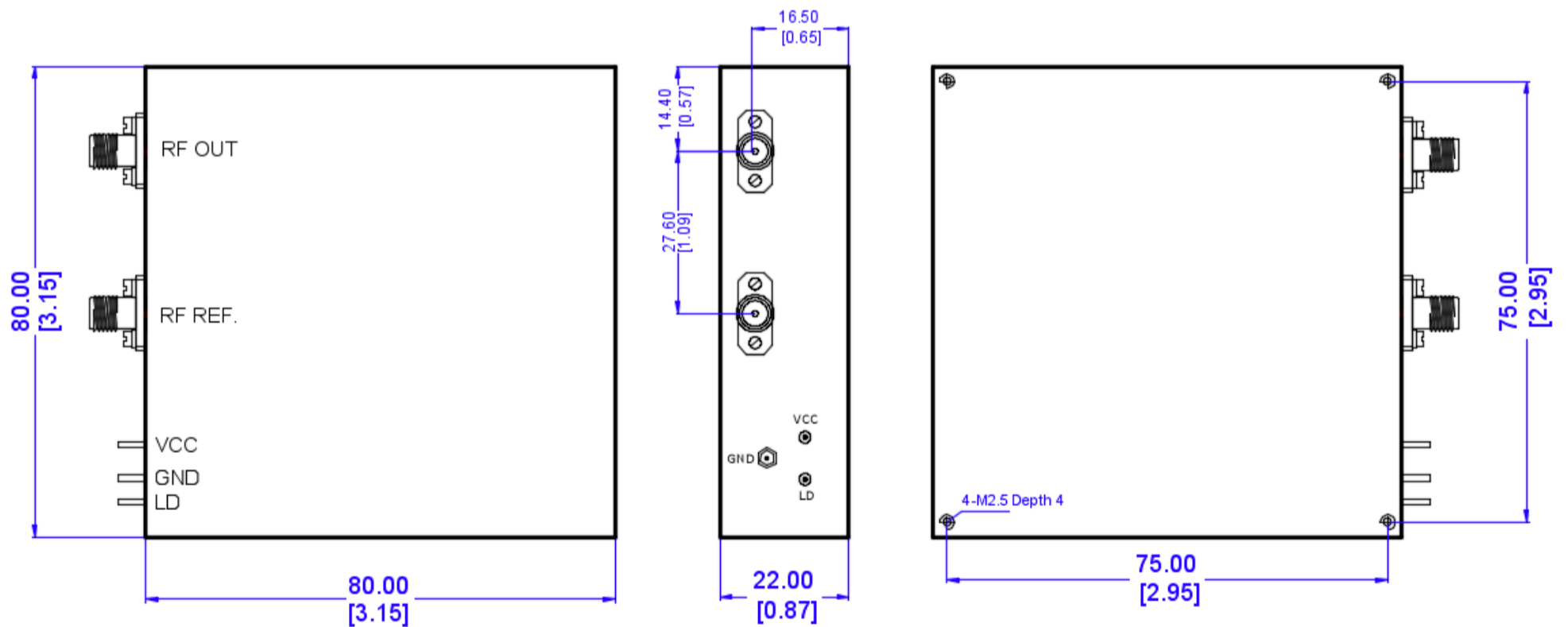
Mechanical Specifications

| | |
|-------------------|----------------------------|
| Dimension L*W*H | 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: ± 0.2 [0.008]
Hole: ± 0.2 [0.008]