

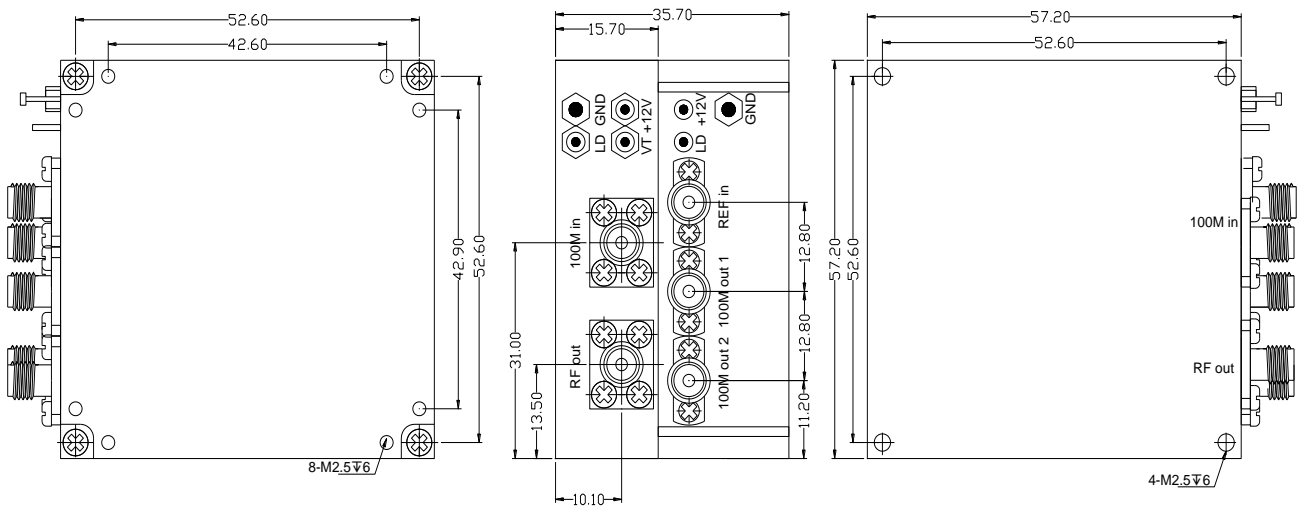


### Features and Benefits

- Frequency range: 25GHz
- Supply voltage: +12V
- Steady current: 600mA/Max
- Output Power: +14.5dBm/Min
- Phase noise@100KHz: -115dBc/Hz
- Operating temperature: -40°C to +70°C
- Size: 57.2x57.2x35.7mm

### Mechanical Drawing & Pin Connections

Drawing No: A8 & \$\$(!)%



Unit in mm  
1mm = 0.0394 inches



### Specifications

Oscillator Specification	Sym	Condition	Value			Unit	Note
			Min.	Typ.	Max.		
Operational Frequency				25		GHz	
<b>RF Output</b>							
Output Power			13	14.5		dBm	
Reference Signal			Internal				
Spurious				-72	-70	dBc	
1/2 Spurious				-61	-60	dBc	
Harmonics					-20	dBc	
<b>Power Supply</b>							
Supply Voltage				12		V	
Current				360	600	mA	
<b>Frequency Stability</b>							
Frequency Stability					±0.1	ppm	
Phase Noise		100Hz		-83	-78	dBc	
		1KHz		-107	-102	dBc	
		10kHz		-116	-110	dBc	
		100kHz		-115	-110	dBc	
		1MHz		-139	-130	dBc	
<b>Environmental, Mechanical Conditions</b>							
Operating temperature range		-40°C to +70°C					
Storage temperature range		-45°C to +75°C					
Vibration (operating)		10G RMS, 20-2000Hz					
Shock (non-operating)		50G, 1/2Sine, 12msec					
RF Connector		SMA Female					
DC Connector		PIN					
Weight		190g Max					
Phase Lock Signal		TTL Hight					