

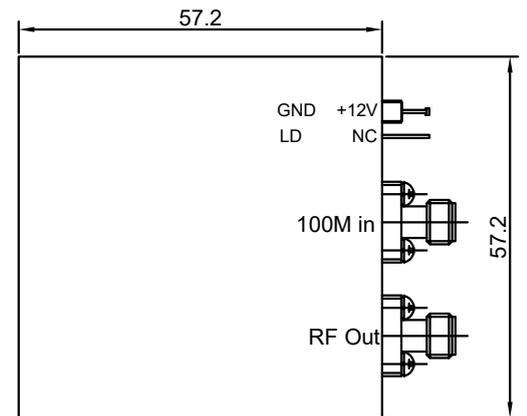
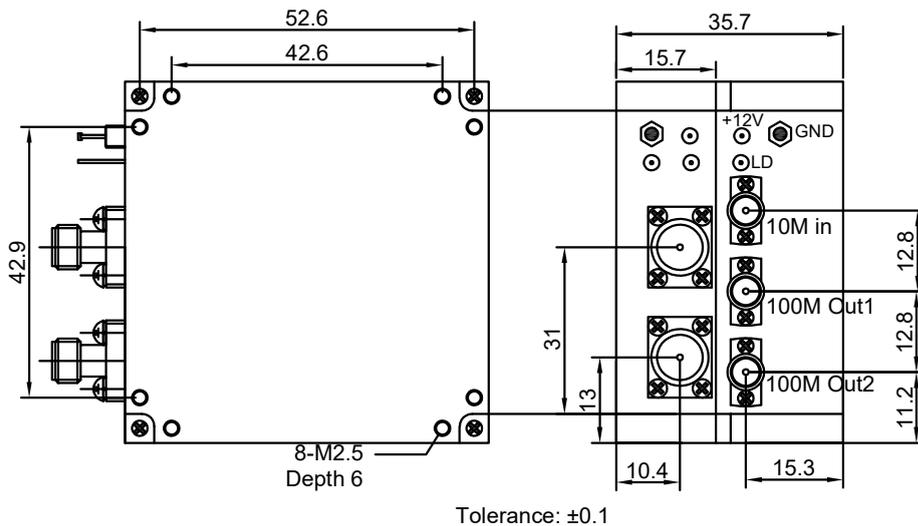


Features and Benefits

- Frequency range: 24GHz
- Supply voltage: +12V
- Steady current: 650mA/Max
- Output Power:+10dBm/Min
- Phase noise@100KHz: -114dBc/Hz
- Operating temperature: -40°C to +75°C
- Size: 57.2x57.2x35.7mm

Mechanical Drawing & Pin Connections

Drawing No: MD230040-1



Unit in mm
1mm = 0.0394 inches



Specifications

Oscillator Specification	Sym	Condition	Value			Unit	Note
			Min.	Typ.	Max.		
Operational Frequency				24		GHz	
RF Output							
Output Power			10			dBm	
1/2 Spurious					-70	dBc	
Harmonics					-25	dBc	
Input Reference Frequency				10		MHz	No need connect with external reference 10MHz
Input Power			0		10	dBm	
Power Supply							
Supply Voltage				12		V	
Current					650	mA	
Frequency Stability							
Phase Noise		100Hz			-83	dBc	
		1KHz			-111	dBc	
		10kHz			-114	dBc	
		100kHz			-114	dBc	
		1MHz			-127	dBc	
Environmental, Mechanical Conditions							
Operating temperature range	-40°C to +75°C						
Storage temperature range	-55°C to +85°C						
RF Connection	SMA-KFD						
Power Supply Connection	Feed-through capacitor						
Phase Lock Signal	High Level TTL						