

## Dynamic Engineers Inc.

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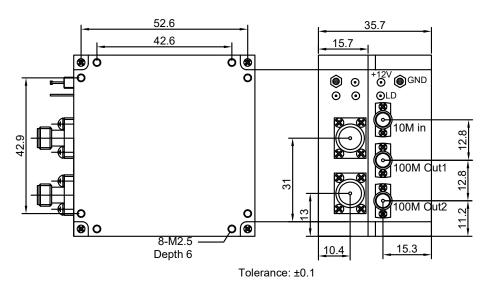
#### **Features and Benefits**

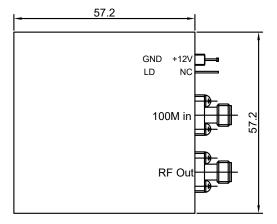
Frequency range: 24GHz Supply voltage: +12V Steady current: 650mA/Max Output Power:+10dBm/Min Phase noise@100KHz: -114dBc/Hz Operating temperature: -40°C to +75°C Size: 57.2x57.2x35.7mm

#### **Mechanical Drawing & Pin Connections**

Drawing No:

MD230040-1





Unit in mm 1mm = 0.0394 inches

Dynamic Engineers reserves the right to make changes to the company datasheet(s) along with other information contained inside; such as data tables and araphs without notification to potential customers who may have earlier revisions in their possession.



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### **Specifications**

Oscillator Specification	0	Condition		Value				
	Sym		Min.	Тур.	Max.	Unit	Note	
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 Condition								
Operating temperature range	-40°C to +7	-40°C to +75°C						
Storage temperature range	-55°C to +8	-55°C to +85°C						
RF Connection	SMA-KFD	SMA-KFD						
Power Supply Connection	Feed-throu	Feed-through capacitor						
Phase Lock Signal	High Level	High Level TTL						