



Features and Benefits

- High accurate temperate compensation
- Sine wave output signal
- Low aging ±1.0ppm max at first year
- Operating temperature -40°C to +85°C

Typical Applications

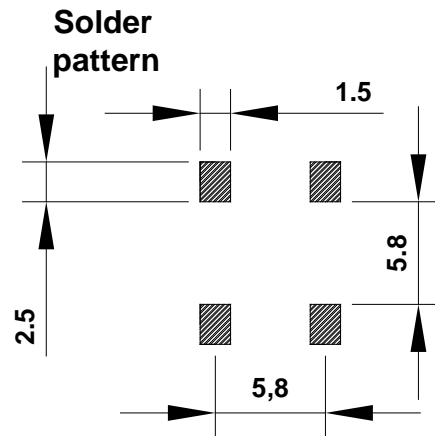
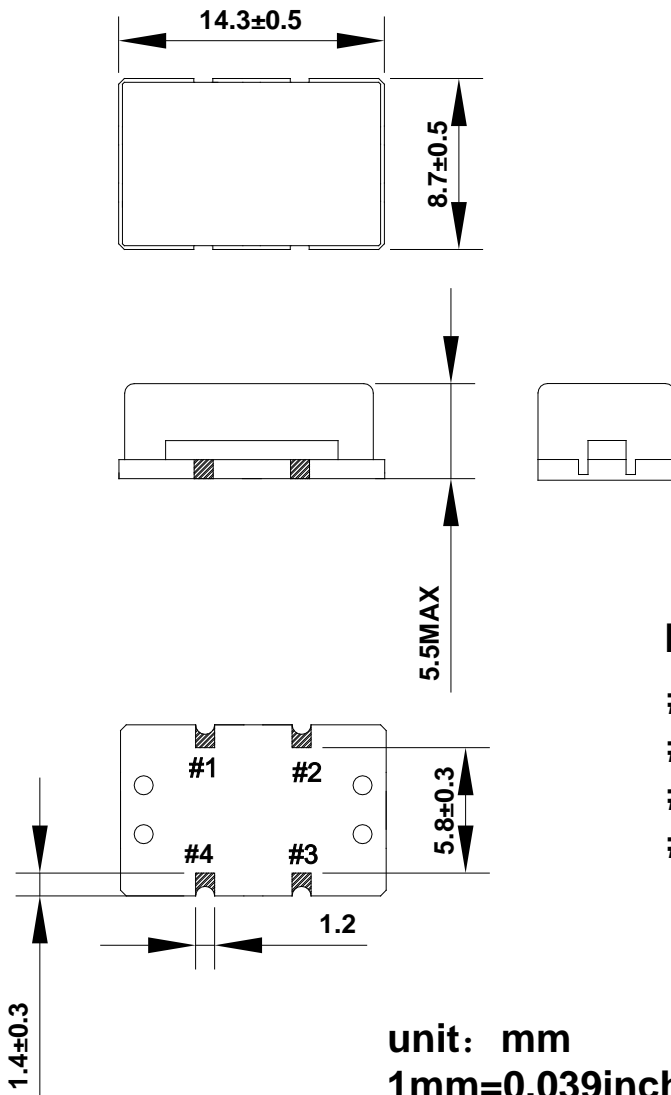
- Mobile radio
- Communication equipment

Description

A new series of temperature compensated crystal oscillators with the latest low aging integrated circuit topologies.

Mechanical Drawing & Pin Connections

Drawing No:MD150099-1



Pin Connections:

- #1. N.C. or V.C
- #2. GND
- #3. OUTPUT
- #4. Vcc

unit: mm
1mm=0.039inch



Specifications

Specifications	Sym	Condition	Value			Unit
			Min.	Typ.	Max.	
Operational Frequency	F _{nom}			62		MHz
RF Output						
Waveform				Sine wave		
Output Load				50		Ohm
Level		p-p	1.0			V
Power Supply						
Voltage	V _∞		3.135	3.3	3.465	V
Input Current					45	mA
Frequency Voltage						
Control Voltage			0.30	1.65	3.00	V
Frequency Deviation			±5			ppm
Linearity		Positive			10%	
Frequency Stability						
Vs. Temperature		From -40°C to +85°C			±1.0	ppm
Vs. Tolerance		@25°C, V _{control} =1.65V			±1.0	ppm
Vs. Supply Voltage		3.3V ±5%			±0.2	ppm
Vs. Load		50 ohms ±10%			±0.1	ppm
Aging		Per year			±1.0	ppm
Phase Noise						
Phase Noise		@100Hz			-108	dBc/Hz
		@1kHz			-130	dBc/Hz
		@10kHz			-140	dBc/Hz
		@100kHz			-145	dBc/Hz
		@1MHz			-158	dBc/Hz
Environmental Conditions						
Operating Temperature		-40°C to +85°C				
Storage Temperature		-45°C to +90°C				

Other customized specifications maybe available. Please contact Dynamic Engineers Inc. for further details.