

**Features and Benefits**

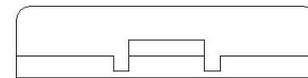
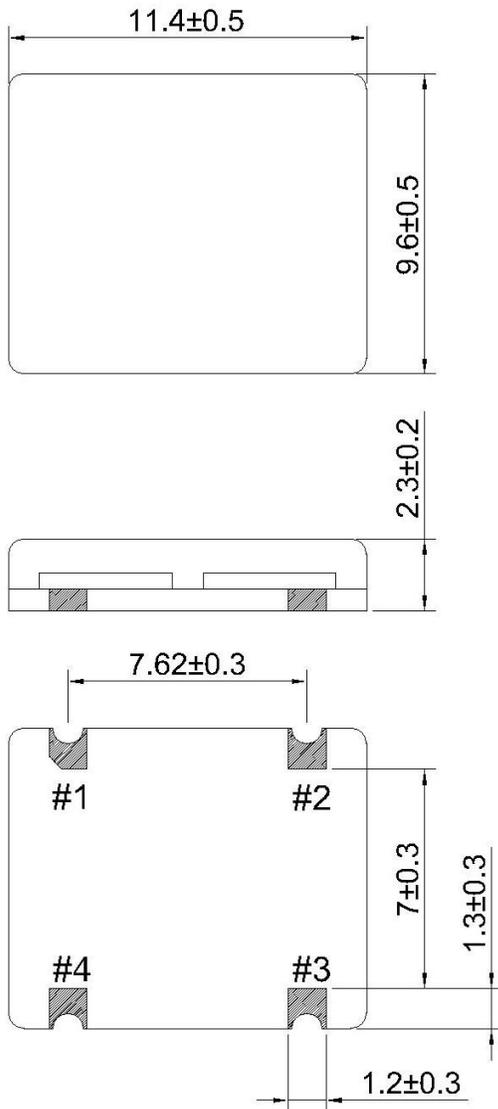
Better than +/-1 PPM from -40°C to +85°C  
 3.3V supply; 5mA maximum  
 Less than -125dBc/Hz @ 100Hz offset  
 Less than -145dBc/Hz @ 1KHz offset

**Typical Applications**

Mobile Radio  
 Communication Equipments

**Mechanical Drawing & Pin Connections**

Drawing No: MD15-0008-1



**Pin Connection**

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

Unit : mm

## Specifications

Oscillator Specification	Sym	Condition	Value			Unit	Note
			Min.	Typ.	Max.		
Nominal Frequency	$F_{nom}$			10.000000		MHz	
Output Wave Form			HCMOS				
Logic Level "1"			0.9Vdd			V	
Logic Level "0"					0.1Vdd	V	
Output Load				15		pF	
<b>Power Supply</b>							
Supply Voltage	$V_{cc}$		3.135	3.3	3.465	V	5V optional
Supply Current		At maximum supply voltage			5	mA	
<b>Frequency Stability</b>							
VS. Temperature		Over -40°C to +85°C			+/-1	ppm	
Initial Tolerance		Frequency @25°C,			+/-1	ppm	
VS. Supply Voltage		Supply voltage varied +/-5% at 25°C			+/-0.3	ppm	
VS. Load Change		15pF +/-10%			+/-0.2	ppm	
Aging in a Year					+/-1	ppm/year	
SSB Phase noise (typ.)		100 Hz			-125	dBc/Hz	
		1 KHz			-145		
<b>Environmental Conditions</b>							
<b>Parameter</b>	<b>Reference Std.</b>		<b>Test Condition</b>				
Operating temperature range	-40°C to +85°C						
Storage temperature range	-45°C to +90°C						