



### Features and Benefits

-55°C to +200°C extreme operating temperature  
Standard frequency at 32.768 KHz  
±175 ppm stability over -40°C to +200°C  
1.5V to 3.3V supply  
5 x 3.2 mm compact design

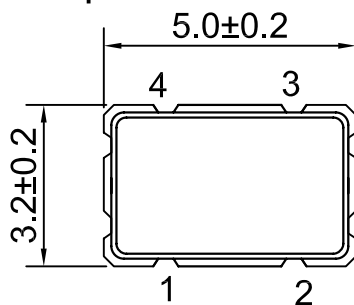
### Typical Applications

Mobile Radio  
Communication Equipment

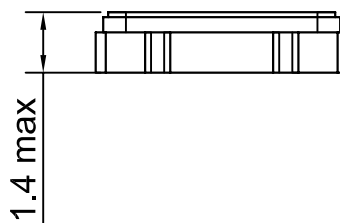
### Mechanical Drawing & Pin Connections

Drawing No: MD160087-1

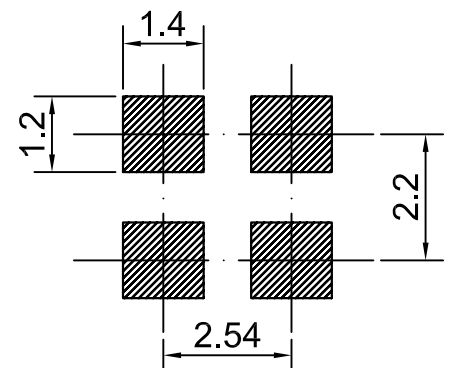
Top View



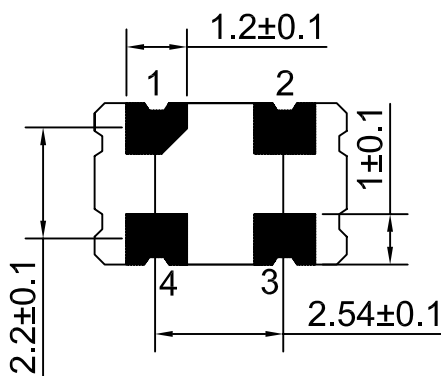
Side View



Land Pattern



Bottom View



### Pin Connections:

Pad 1	Output Enable
Pad 2	Ground
Pad 3	Output
Pad 4	Supply V(Vcc)

Unit : mm

1mm=0.0394inch

**Specifications**

Oscillator Specification	Sym	Condition	Value			Unit	Note
			Min.	Typ.	Max.		
FrequencyOutput	F <sub>0</sub>			32.768		KHz	
RF Output							
Output Wave Form			CMOS				
Load				15		pF	
Power Supply							
Supply Voltage Range	V <sub>cc</sub>		1.5		3.7	V	
Supply Current		@ 3.3V and +25°C		18		μA	(<10 μA in disabled mode)
		@ 3.3V and +200°C		31			
Frequency Stability							
Stability Over Temperature		-40°C to +200°C			±175	ppm	
Environmental Conditions							
Parameter		Reference Std.					
Operating Temperature Range		-55°C to +200°C					
Storage Temperature		+230°C					
Oscillator Enable		Open or Logic “1”					
Operation Life		1000 hours at +200°C min					