



Features and Benefits

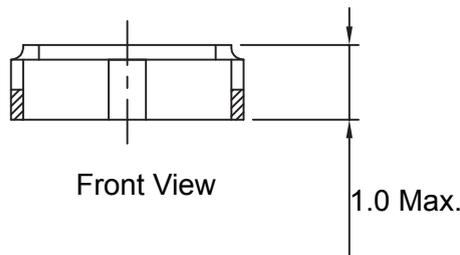
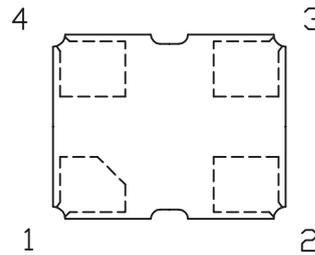
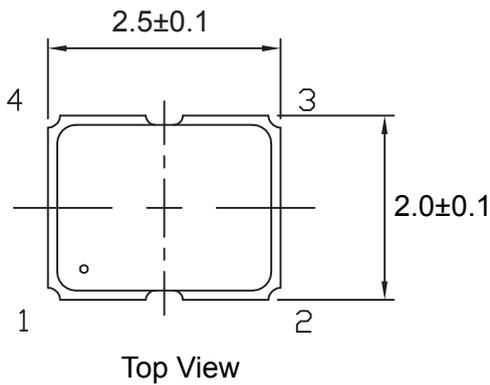
- Frequency range: 20MHz
- Supply voltage: 5V
- Steady current: 30mA Max
- Output waveform: CMOS
- Frequency Tolerance: ± 50 ppm
- Aging: ± 5 PPM first year
- Operating temperature: -40°C to $+85^{\circ}\text{C}$
- Size: 2.5x2.0x1.0mm

Typical Applications

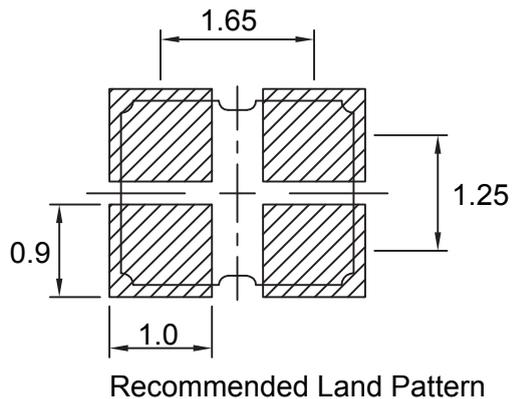
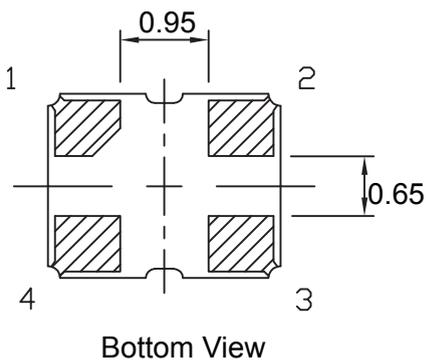
- IWLAN
- GPS
- Smart phone

Mechanical Drawing & Pin Connections

Drawing No: MD200055-1



INH	'H' or Open	'L' (Standby)
Output	Enable	High Impedance





Specifications

Oscillator Specification	Sym	Condition	Value			Unit	Note
			Min.	Typ.	Max.		
Frequency Range				20		MHz	
RF Output							
Output Waveform			CMOS				
Load	R _L				15	pF	
H-Level Voltage	V _H		90% V _{DD}			V	
L- Level Voltage	V _L				10% V _{DD}	V	
Symmetry		@50%VDC	40%		60%		
Rise and Fall Time		Tr/Tf			6	ns	
Power Supply							
Supply Voltage	V _{cc}	±10%		5.0		V	
Current					30	mA	
Standby Current				10		uA	
Frequency Stability							
Frequency Tolerance		-40°C to +85°C			±50	ppm	
Aging 1 st Year					±5.0	ppm	
Environmental, Mechanical Conditions							
Operating temperature range		-40°C to +85°C					
Storage temperature range		-40°C to +90°C					