Features and Benefits

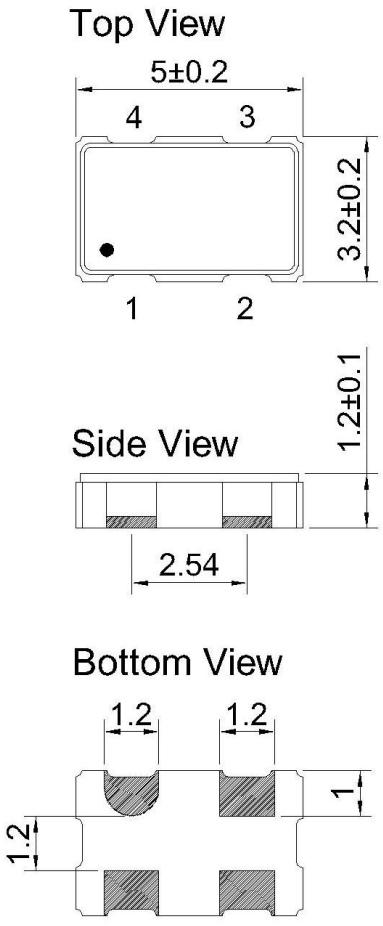
16.0MHz CMOS output
+/-25PPM from -40°C to +85°C
3.3V supply. 25mA max. current
Operating temperature range -40°C to +85°C

Typical Applications

Used as Part of a High Performance Oscillator Circuit

Mechanical Drawing & Pin Connections

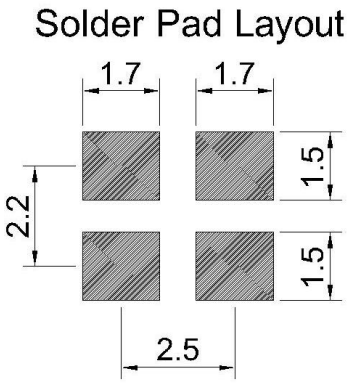
Drawing No: MD150020-1



Pad Connections

1	N/C or Tri-State
2	GND
3	Output
4	+Vs

Unit : mm



Logic "1" to pad 1 enables oscillator output
Logic "0" to pad 1 disable oscillator output; when disable the oscillator output goes to high impedance state
No connection to pad 1 enables oscillator output

Specifications

Oscillator Specification	Sym	Condition	Value			Unit	Note
			Min.	Typ.	Max.		
Operational Frequency Range				16.0		MHz	
Output Wave Form				CMOS			
Output Load				30		pF	
Rise and Fall Time		10% to 90%			4	ns	
Duty Cycle			45		55	%	
Power Supply							
Supply Voltage	V_{CC}		3.0	3.3	3.6	V	
Current					25	mA	
Frequency Stability							
Frequency Stability		From -40°C to +85°C			+/-25	ppm	
Frequency Tolerance@+25°C				INCLUSIVE			
Ageing		1st year @+25°C			+/-5	ppm	
Environmental Conditions							
Operating Temperature Range	-40°C to +85°C						
Storage Temperature Range	-55°C to +125°C						