

Features and Benefits

Pressure Tolerant to 7000 PSI
1.00 MHz to 50.00 MHz
5 x 7 mm SMD
-50°C to +100°C
+1.8 to +3.3V

Typical Applications

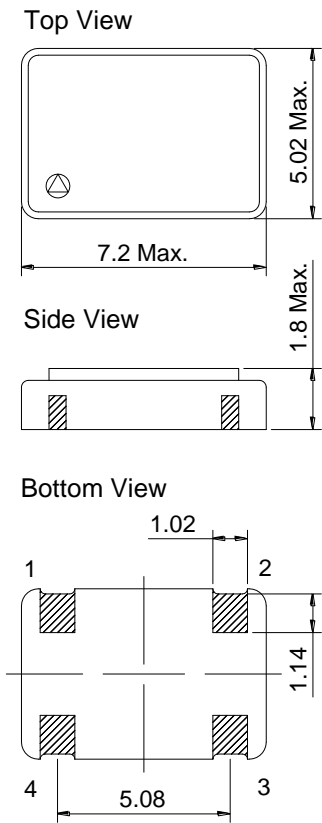
Commercial - In/Off-Shore Surveying, Search and Salvage
Defense - Port and Harbor Security, Ship Infrastructure and Inspection, Surveillance
Scientific - Oceanography, Exploration, Research

Description

Specialized design materials and construction enable this oscillator family to withstand 7000 PSI of pressure at +100°C

Mechanical Drawing & Pin Connections

Drawing No: MD150059-2

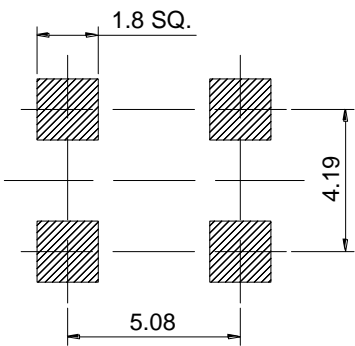


Pin Functions:

Pad	Function
1	Output
2	Case Ground
3	Output Enable
4	Supply Voltage (Vdd)

Unit : mm

Recommended Land Pattern



Specifications

Parameter		Specification
Frequency Range		1.00 to 50.00 MHz
Frequency Stability over Temperature		±50 ppm, -40°C to +85°C ±100 ppm, -50°C to +100°C
Operating Temperature		-50°C to +100°C
Storage Temperature		-55°C to +125°C
Supply Voltage (Vcc ±5%)		+1.8, +2.5, or +3.3 Vcc
Logic		CMOS
Symmetry		45/55%
Rise & Fall Time		5 ns max
Start-up Time		2 ms max
Tri-State Control:	Output Disable "0" Level	0.3 Vdc (max)
	Output Enable "1" Level or Open	0.7 Vdc (min)
Supply Current		15 mA @ 3.3V max 10 mA @ 2.5V max 7 mA @ 1.8V max
Absolute Clock Period Jitter		40 psec max
RMS Phase Jitter (Integrated 12 KHz to 20 MHz)		1 psec max
Aging (at 25°C 1st. year)		±3 ppm max
Hi-Rel Screening / Testing		Available