

Features and Benefits

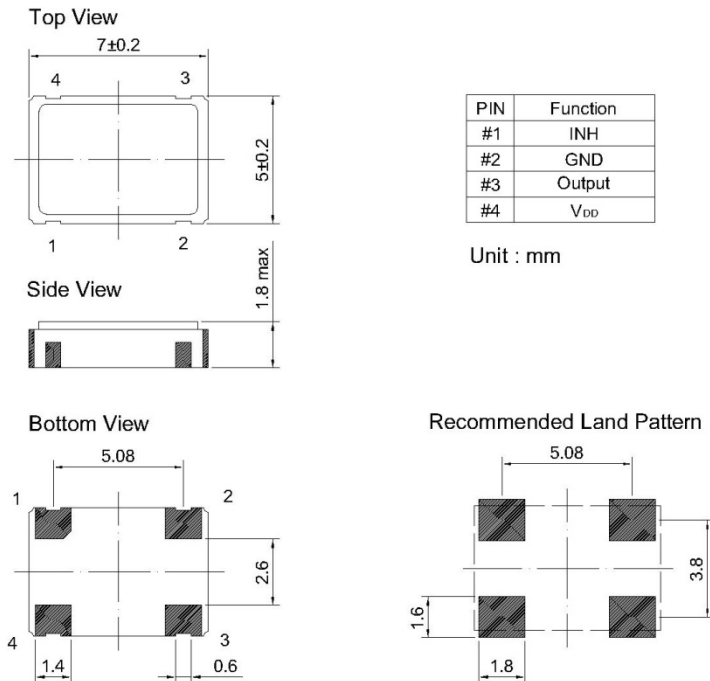
High reliability & low cost unit
Tight stability & extended temperature available
Lead-free type

Typical Applications

For automotive applications

Mechanical Drawing & Pin Connections

Drawing No: MD150025-1



Specifications

Specification	Value		Note
Frequency Range	1.5 to 160MHz		
Frequency Tolerance @+25°C	+/-25ppm +/-50ppm +/-100ppm		Tighter tolerance also available
Operating Temperature Range	0°C to +70°C/-40°C to +85°C		Other operating range also available
Operable Temperature Range	-55°C to +125°C/		
Output Type	HCMOS/TTL		
Output Load	1.5MHz to 50MHz: 50pF Max. >50MHz to 80MHz: 30pF Max. >80MHz to 160MHz: 15pF Max.	10TTL	
Operating Voltage	3.3V+/-10% / 5V+/-10%		
Output Symmetry	HCMOS: 40% to 60%(at 50% V _{DD}) TTL: 40% to 60%(at 1.4V V _{DD})		45% to 55% is available 45% to 55% is available
"High" Output Voltage	HCMOS: 90% V _{DD} Min.		TTL: 2.4V Min.
"Low" Output Voltage	HCMOS: 10% V _{DD} Max.		TTL: 0.4V Max.
Current Consumption	1.5MHz to 7MHz >70MHz to 160MHz	30mA Max. 50mA Max.	
Rise and Fall Time	1.5MHz to 160MHz	6ns Max.	
Tri-State	Yes		
Aging	Max. 5ppm/Year		