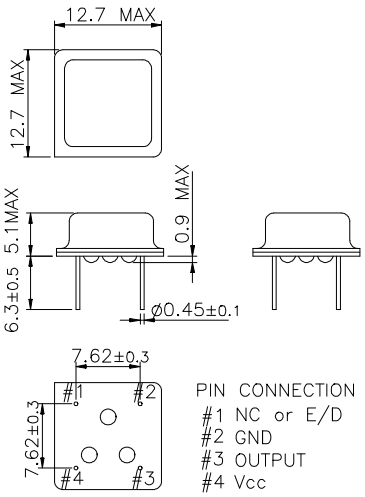
Excequal

Clock Oscillator

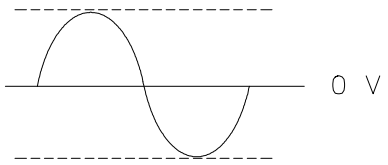
CO1212

10MHz ~ 50MHz SINEWAVE 50 ohm

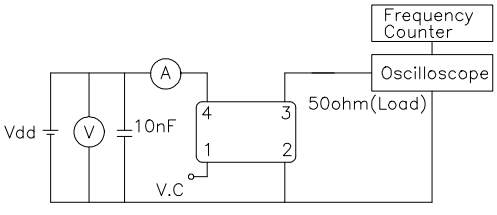
MECHANICAL DIMENSIONS



OUTPUT WAVEFORM



TEST CIRCUIT



ELECTRICAL SPECIFICATION

Frequency range	10.000MHz to 50.000MHz All combination of Frequency range Vs. Package type might not be available ,please contact factory
Frequency Stability vs. Temperature vs. Aging	 ± 10 ppm to ±50ppm ±3.0 ppm max/ year
Temperature Range Operating Storage	 See Table 2 -55℃ to 105℃
Supply Voltage	3.3V ± 5% 5.0V ± 5%
Input Current	3.3V 5.0V fo ≤ 25.000MHz 15mA 20mA fo ≤ 50.000MHz 25mA 30mA
Output characteristics	Sinewave Level 3.3V 0 dBm typ 5.0V 10 dBm typ Load 50Ω
Pin 1 Tri-State Input Voltage	No Connection Disable Output Vh ≥ 2.0 Vdc Enable Output Vl ≤ 0.8 Vdc Disable Output

ENVIROMENTAL & MECHANICAL SPECIFICATION

Shock	MIL-STD-883C, Method 2002, Condition B
Vibration	MIL-STD-883C, Method 2007, Condition A
Solderability	MIL-STD-883C, Method 2003
Seal integrity	MIL-STD-883C, Method 1014, Condition C & A2
Marking	MIL-STD-202F, Method 215

TABLE1

Symbol	Stability
10	± 10ppm
15	± 15ppm
20	± 20ppm
30	± 30ppm
50	± 50ppm
100	±100ppm

TABLE2

Symbol	Temp.	Symbol	Temp.
0	0℃	A	50℃
1	-10℃	B	60℃
2	-20℃	C	70℃
3	-30℃	D	75℃
4	-40℃	E	80℃
		F	85℃

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