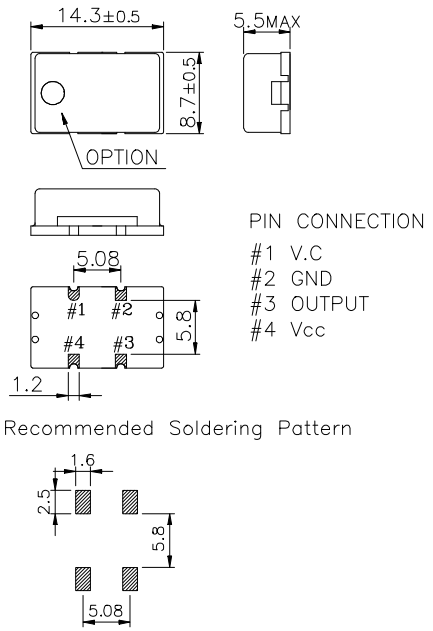
Excequal

VCXO

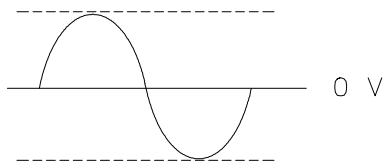
VC1494

10MHz ~ 50MHz SINEWAVE 50 ohm

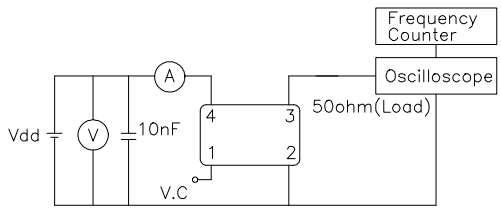
MECHANICAL DIMENSIONS



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 fo ≤ 80.000MHz: 35mA / 50mA fo ≤ 125.000MHz: 40mA / 60mA fo ≤ 190.000MHz: 45mA / 70mA
Output characteristics	Sinewave Level 3.3V: 0 dBm typ 5.0V: 10 dBm typ Load: 50Ω
Pull Characteristics	
Pulling Range	±50ppm / ±100 / ±150 ppm min Wide pulling range : contact company
Control Range	1.65V ± 1.5V (Vdd : 3.3V) 2.5V ± 2.5V (Vdd : 5.0V)

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℃

Unit 153 5/F BLD#2 Building BeiYuan South Street24th Tong Zhou District Beijing China 101100 www.excequal.com

Tel:86-10-69552503 Fax:86-10-80885622 Email:sales@excequal.com