

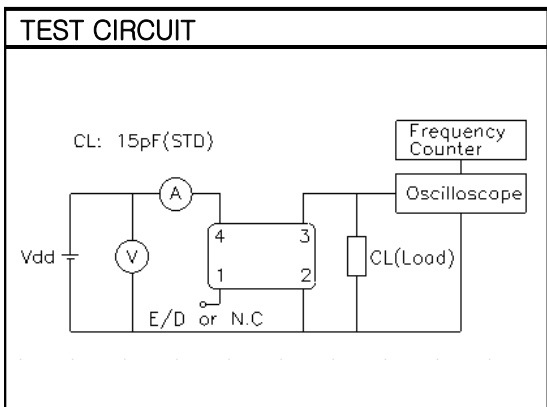
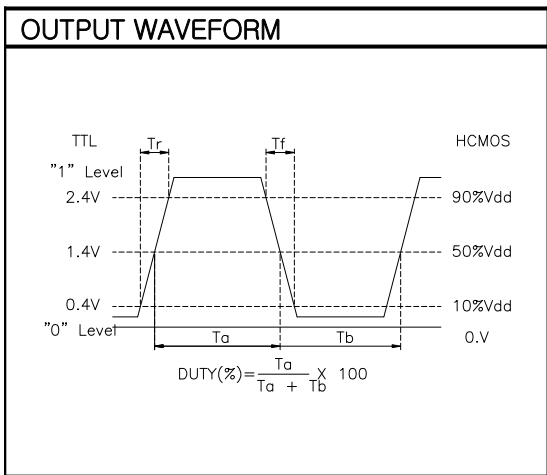
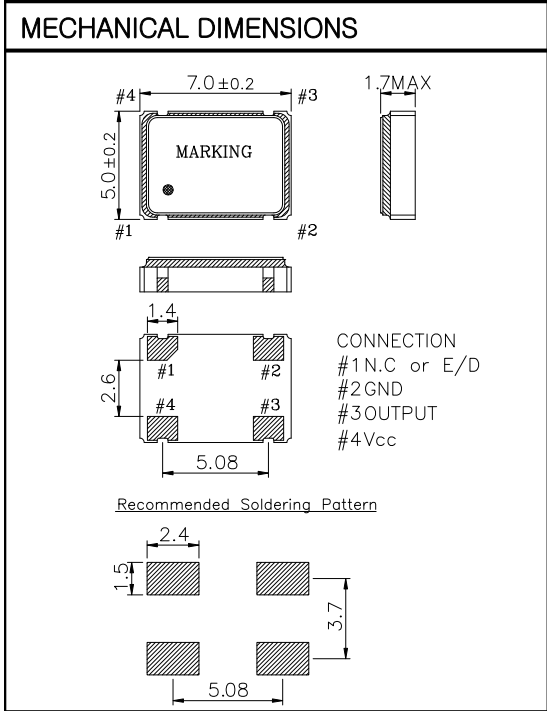
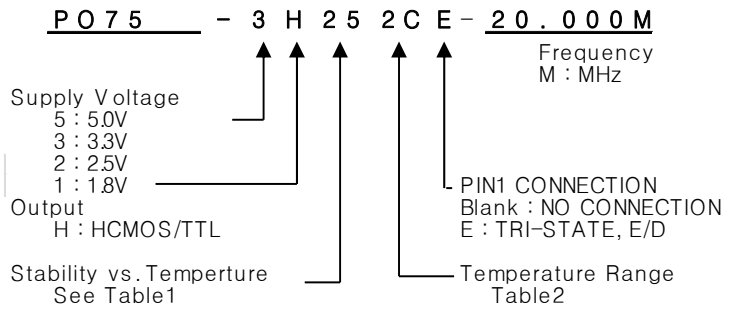
OSC

PO75 Series

HCMOS/TTL

4PAD SMD PACKAGE

* PART NUMBERING GUIDE



ELECTRICAL SPECIFICATION

Frequency range	32.768KHz to 160.000MHz All combination of Frequency range Vs. Package type can not be available ,please contact factory		
Frequency Stability vs. Temperature vs. Aging	±25 ppm to ±100ppm ±3.0 ppm max/ year		
Temperature Range Operating	See Table 2 (Wider operating temp. range available. Please contact)		
Storage	-55°C to 125°C		
Supply Voltage	1.8V/ 2.5V/ 3.3V / 5.0V ± 10%		
Input Current		1.8~3.3V	5.0V
fo ≤ 35.000MHz	32.768KHz	0.5mA	1.0mA
fo ≤ 50.000MHz	8mA	12mA	12mA
fo ≤ 70.000MHz	16mA	16mA	16mA
fo ≤ 160.000MHz	25mA	50mA	50mA
	45mA	60mA	60mA
Output characteristics HCMOS / TTL	HCMOS	TTL	
Logic "1"	90% Vdd min	2.4V min	
Logic "1"	10% Vdd max	0.4V min	
Load	15pF	10TTL	
Duty Cycle	40/60	40/60	
Rise & Fall	10nS max	10nS max	
Pin 1 Tri-State Input Voltage	No Connection	Enable Output	
	Vh ≥ 0.7 Vdc	Enable Output	
	Vi ≤ 0.3 Vdc	Disable Output	
Phase Jitter (12KHz~20MHz)	1.0ps RMS max.		

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
25	± 25ppm
30	± 30ppm
50	± 50ppm
100	±100ppm

TABLE2

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