

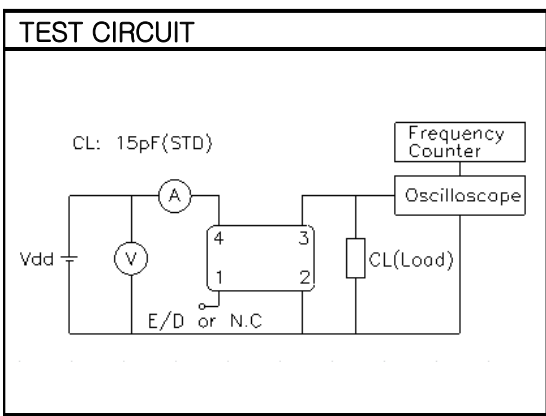
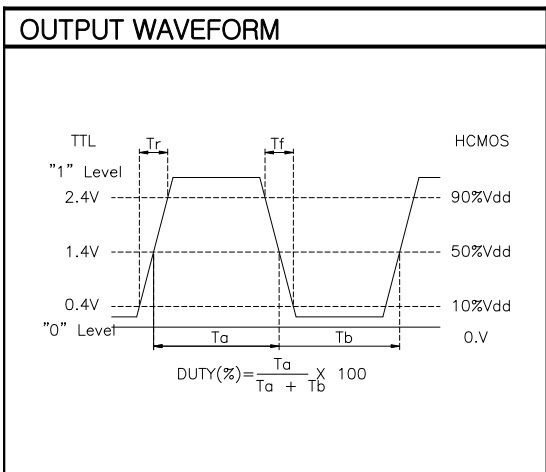
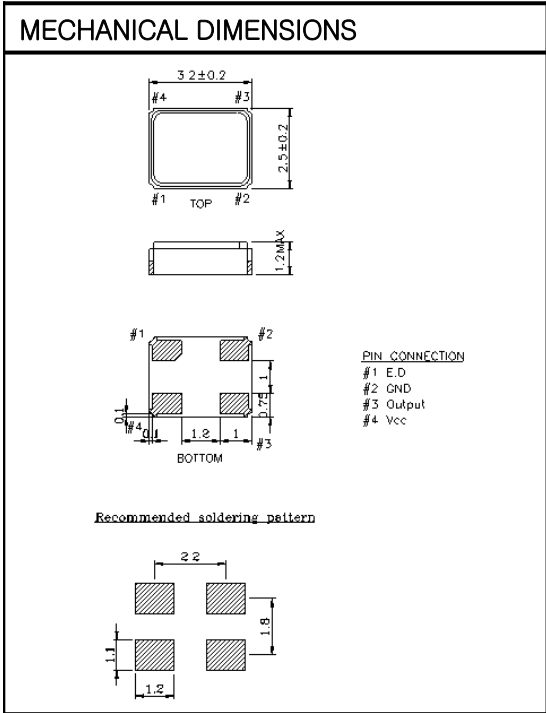
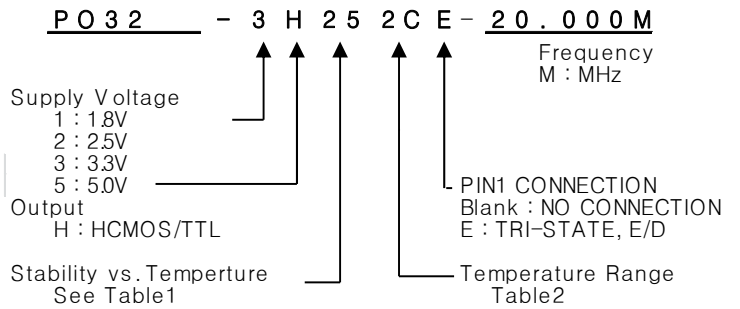
# OSC

## PO32 Series

### HCMOS/TTL

### 4PAD SMD PACKAGE

### \* PART NUMBERING GUIDE



### ELECTRICAL SPECIFICATION

Frequency range	32.768KHz to 200.000MHz 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 3.3 V , 5V	32.768KHz fo ≤ 35.000MHz fo ≤ 50.000MHz fo > 50.000MHz	1.8~3.3V 5.0V 0.5mA 1.0mA 8mA 12mA 16mA 18mA 25mA 30mA
Output characteristics HCMOS / TTL	HCMOS Logic "1" 90% Vdd min Logic "1" 10% Vdd max Load 15pF Duty Cycle 40/60 Rise & Fall 10nS max	TTL 2.4V min 0.4V min 10TTL 40/60 10nS max
Pin 1 Tri-State Input Voltage	No Connection Vh ≥ 0.7 Vdc Vi ≤ 0.3 Vdc	Enable Output Enable Output 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