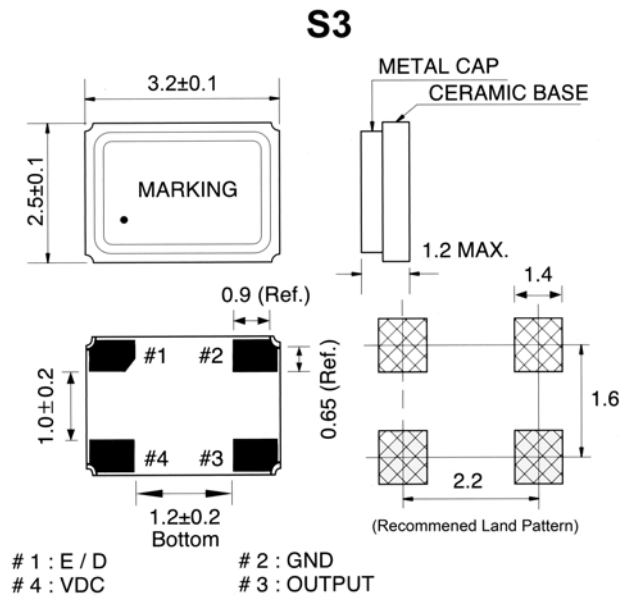


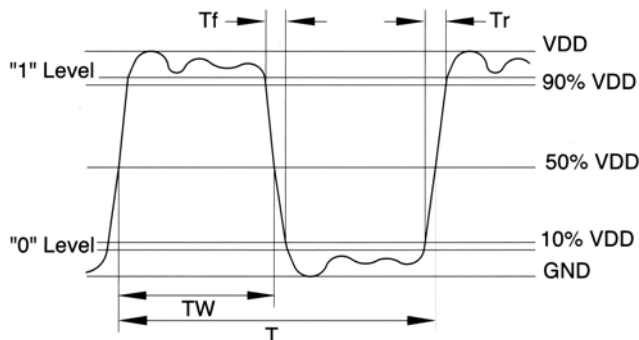
### ● SPECIFICATION

Model	OSC S3 RTC SERIES		
Frequency range	32.768KHz		
Storage temperature range	- 55°C ~ +125°C		
Operating temperature range	-10°C ~ +70°C , -40°C ~ +85°C		
Frequency stability	±20ppm ~ ±50ppm		
Power supply voltage	3.3V DC ±10%	2.5V DC ±5%	1.8V DC ±5%
Current consumption	3.5mA max	2.5mA max	1.5mA max
Output level	C-MOS		
Load	15pF max.		
Output voltage level	VOL:10%Vdd max. / VOH:90%Vdd min.		
Duty cycle	40%~60% at 1/2Vdd		
RISE / FALL TIME	50nS max	50nS max	50nS max
AGING	±3ppm/Year		

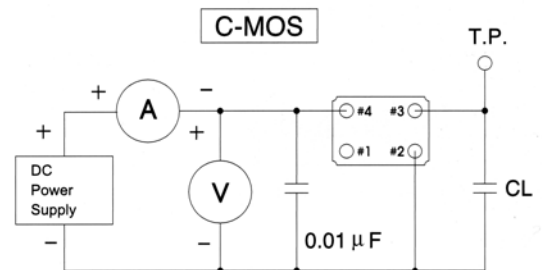
### ● DIMENSION (mm )



### ● OUTPUT WAVEFORM



### ● TEST CIRCUIT



\*\*\* Because s3 series has no by pass capacitor.  
So, we recommend our customer to use capacitor 0.01μF  
in join Vcc and GND.