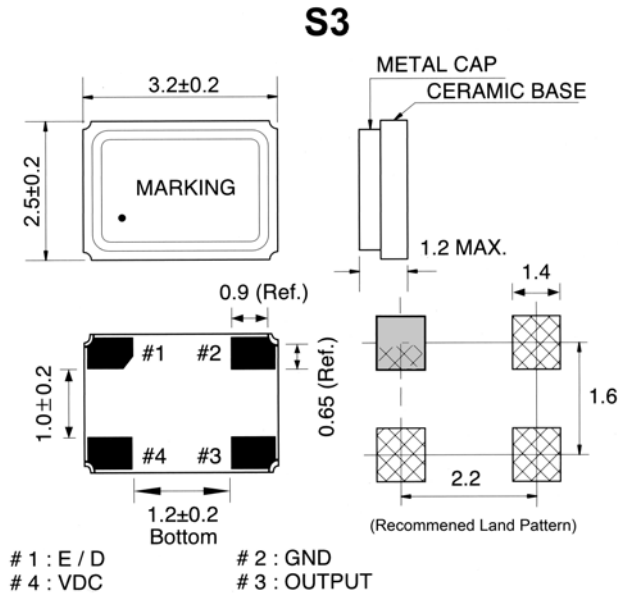


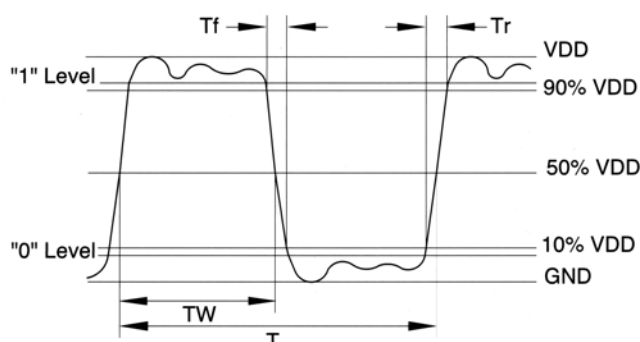
### ● SPECIFICATION

Model	OSC-S3 Series		
Frequency range	1.000 ~ 50.000 MHz		
Storage temperature range	- 55°C ~ +125°C		
Operating temperature range	-10°C ~ +70°C, -40°C ~ +85°C		
Frequency stability	±20ppm ~ ±100ppm		
Power supply voltage	3.3V DC ±10%	2.5V DC ±5%	1.8V DC ±5%
Current consumption	1.000~19.999MHz :7mA max	1.000~9.999MHz:6mA max	1.000~9.999MHz:5mA max
	20.000 ~31.999MHz:12mA max	10.000~31.999MHz:8mA max	10.000~31.999MHz:6mA max
	32.000~50.000MHz:20mA max	32.000~50.000MHz:20mA max	32.000~50.000MHz:15mA max
Output level	C-MOS		
Load	15pF max.		
Output voltage level	V <sub>OL</sub> :10%V <sub>DD</sub> max. / V <sub>OH</sub> :90%V <sub>DD</sub> min.		
Duty cycle	40%~60% at 1/2V <sub>DD</sub>		
RISE / FALL TIME	1.000~50.000MHz:5nS max	1.000~50.000MHz:5nS max	1.000~19.999MHz :7nS max
			20.000~50.000MHz:6nS max
AGING	±3ppm/Year		

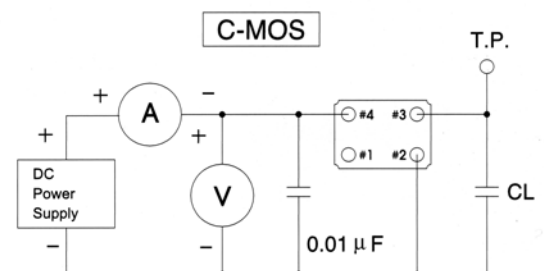
### ● DIMENSION (mm )



### ● 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.