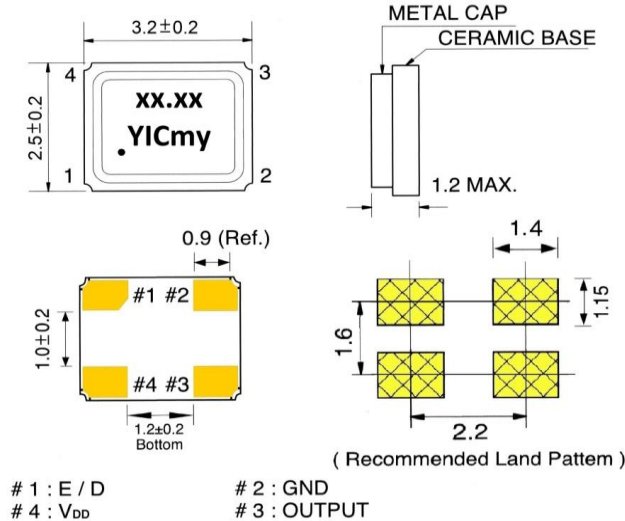


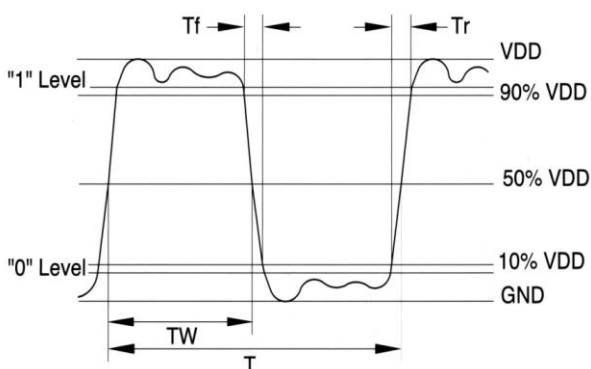
### ● SPECIFICATION

Model	OSC-S3 Series		
Frequency range	1.000 ~ 156.000 MHz		
Storage temperature range	- 55°C ~ + 125°C		
Operation temperature range	- 10°C ~ + 70°C , - 40°C ~ + 125°C		
Frequency stability	±10 ppm ~ ±50ppm		
Power supply voltage: (5.0V DC available on request)	3.3V DC ±10%	2.5V DC ±5%	1.8V DC ±5%
Current consumption	1.000~19.999 MHz : 7mA max	1.000~9.999 MHz : 6mA max	1.000~9.999 MHz : 5mA max
	20.000~31.999 MHz : 12mA max	10.000~31.999 MHz : 8mA max	10.000~31.999 MHz : 6mA max
	32.000~156.000 MHz : 15mA max	32.000~156.000 MHz : 15mA max	32.000~156.000 MHz : 10mA 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 1/2 V <sub>DD</sub>		
RISE / FALL TIME	1.000~156.000MHz : 5nS max	1.000~156.000MHz : 5nS max	1.000~19.999MHz : 7nS max
			20.000~156.000MHz : 6nS max
AGING	±3ppm / Year		

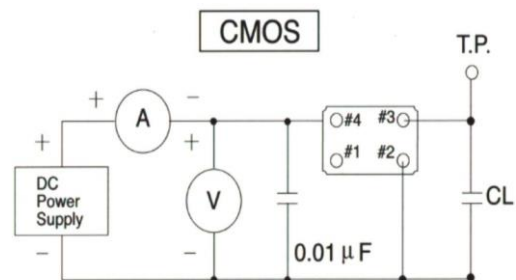
### ● DIMENSIONS (mm)



### ● OUTPUT WAVEFORM



### ● TEST CIRCUIT



\*\*\* Because S3 series has no by pass capacitor.  
So, we recommend our customer to use capacitor 0.01μF  
in join V<sub>cc</sub> and GND.