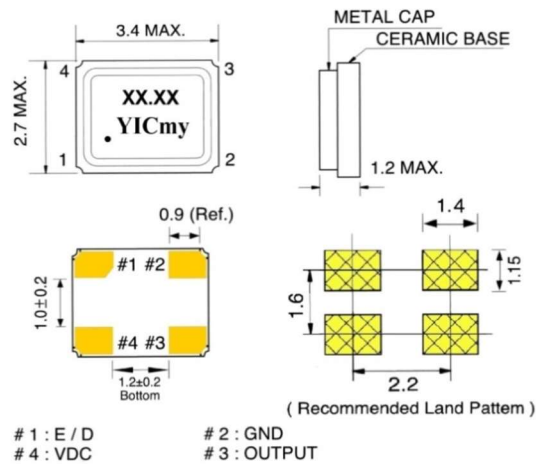


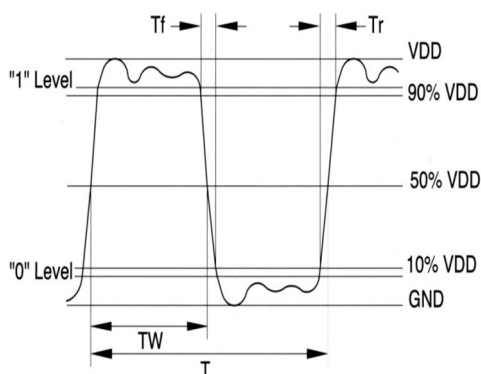
● SPECIFICATION

Model		OSC S3 RTC Series		
Frequency range		32.768 KHz		
Storage temperature range		- 55°C ~ + 125°C		
Operation temperature range		- 20°C ~ + 70°C , - 40°C ~ + 85°C , - 40°C ~ + 125°C , specify		
Frequency stability		±20 ppm ~ ±50 ppm		
Power supply voltage		3.3V DC ±10%	2.5V DC ±5%	1.8V DC ±5%
Current consumption		32 uA (typ) , 50 uA (max)		
Output level		C-MOS		
Load		15 pF		
Output voltage level		V _{OL} : 10% V _{dd} (max) / V _{OH} : 90% V _{dd} (min)		
Start-up Time		1 mS (typ) , 5 mS (max)		
Duty cycle		45% ~ 55% at 1/2 V _{dd}		
RISE / FALL TIME		20 nS (max)		
Phase Jitter		0.3 ps (typ)		
Enable Control Pad1	Enable Voltage High	70% V _{dd} (min)		
	Disable Voltage Low	30% V _{dd} (max)		
	Disable Current	10 uA (max)		
Aging		±3ppm / Year (max)		

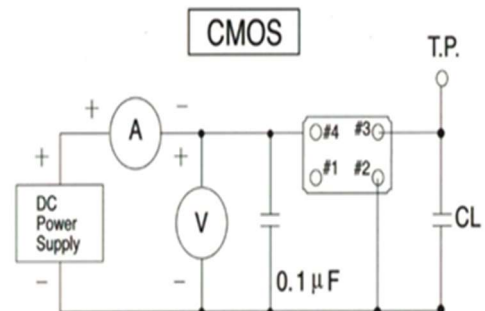
● DIMENSIONS (mm)



● OUTPUT WAVEFORM



● TEST CIRCUIT



*** Because S3 series has no by pass capacitor.
So, we recommend our customer to use capacitor 0.1μF