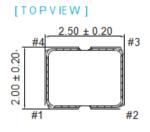


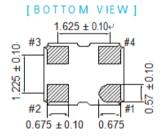
OSC-S22L RTC Series : Low Power RTC SMD Crystal Clock Oscillator 2.5x2.0 mm 32.768KHz

SPECIFICATION

Model	OSC-S22L Low Power RTC Series	
Frequency range	32.768KHz	
Storage temperature range	- 55°C ~ + 125°C	
Operation temperature range	- 10°C ~ + 70°C , - 40°C ~ + 85°C	
Frequency stability	±20 ppm ~ ±50ppm	
Power supply voltage	1.8V DC ±5%	
Current consumption	1.8uA max	
Output level	C-MOS	
Load	15pF max.	
Output voltage level	V_{OL} : 10% Vdd max. / V_{OH} : 90% Vdd min.	
Start-up Time	20 m sec. max.	
Duty cycle	40% ~ 60% at 1/2 Vdd	
RISE / FALL TIME	15nS max	
AGING	±3ppm / Year	

DIMENSIONS (mm)





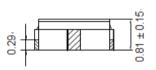
#3: OUTPUT

#4: VDC

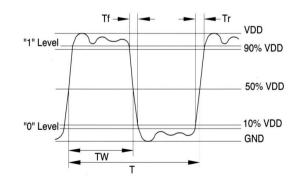
#1: E/D

#2: GND

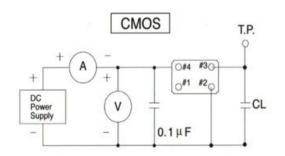
[SIDE VIEW]



OUTPUT WAVEFORM



TEST CIRCUIT



*** Because S22 series has no by pass capacitor. So, we recommend our customer to use capacitor 0.1µF in join Vcc and GND.