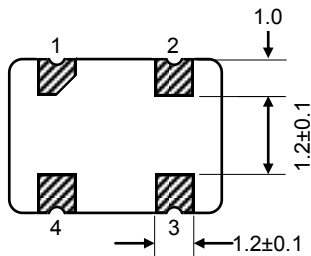
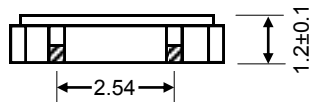
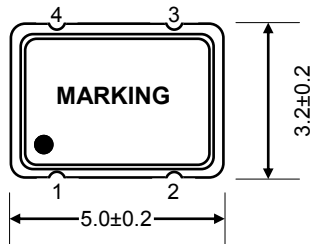


**MINIATURE SMD REAL TIME OSCILLATOR (3.2 x 2.5 x 1.0mm)**
**FEATURES:**

- CMOS OUTPUT @ 32.768kHz
- LOW VOLTAGE / LOW CURRENT
- TRI-STATE FUNCTION AVAILABLE

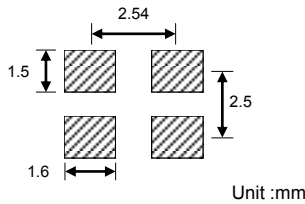
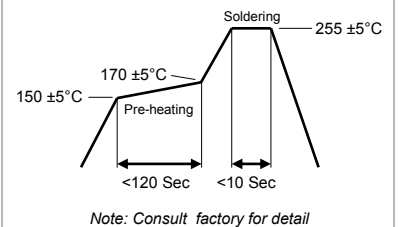
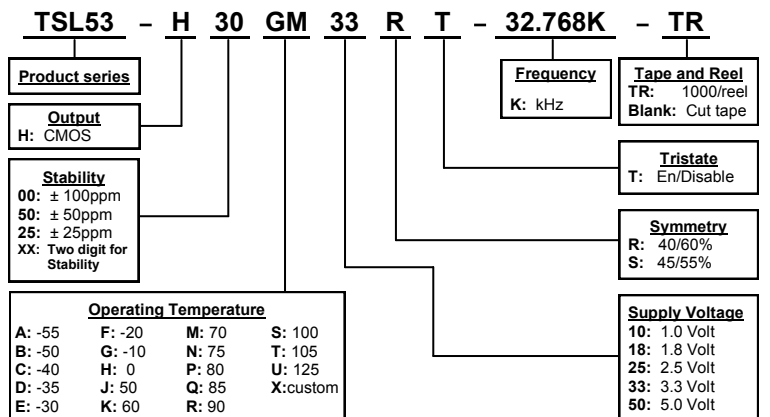

**■ SPECIFICATION**

<b>FREQUENCY</b>	STD: 32.768kHz (25kHz ~ 1MHz available)	
<b>FREQUENCY STABILITY</b>	±25ppm ~ ±100ppm	
<b>OPERATING TEMPERATURE RANGE</b>	STD: -10°C ~ 70°C, Option: -40°C ~ 85°C (See P/N guide for other options)	
<b>STORAGE TEMPERATURE RANGE</b>	-50°C ~ 100°C	
<b>SUPPLY VOLTAGE ±10%</b>	1.0V <sub>DC</sub> ~ 5.0V <sub>DC</sub>	
<b>SUPPLY CURRENT</b>	15mA max.	
<b>OUTPUT</b>	<b>LOGIC FAMILY</b>	CMOS
	<b>LOAD</b>	15pF
	<b>LEVEL LOGIC '1' (V<sub>OH</sub>)</b>	0.9 x V <sub>DD</sub> min.
	<b>LEVEL LOGIC '0' (V<sub>OL</sub>)</b>	0.1 x V <sub>DD</sub> max.
	<b>SYMMETRY(DUTY CYCLE)</b>	STD: 40% / 60% @ 1/2V <sub>DD</sub> level (over -40°C ~ 85°C), Option: 45% / 55%
	<b>RISE AND FALL TIME (Tr/Tf)</b>	10nS max.
<b>STAND-BY VOLTAGE</b>	<b>START-UP TIME</b>	10mS Typ.
	<b>ENABLE (V<sub>IH</sub>)</b>	0.7 x V <sub>DD</sub> min.
	<b>DISABLE (V<sub>IL</sub>)</b>	0.3 x V <sub>DD</sub> max.
<b>AGING @ +25°C ±3°C</b>	±3.0ppm / 1 <sup>st</sup> year max.	

**■ PACKAGE DIMENSIONS**


Unit : mm

Pin Configuration	
1	En / Dis
2	GND
3	Output
4	V <sub>DD</sub>

**■ SOLDER PATTERN**

**■ REFLOW PROFILE**

**■ PART NUMBERING GUIDE**


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