

## PLASTIC MOLDED STANDARD SMD OSCILLATOR (14.0 x 9.8 x 4.7mm)

### FEATURES

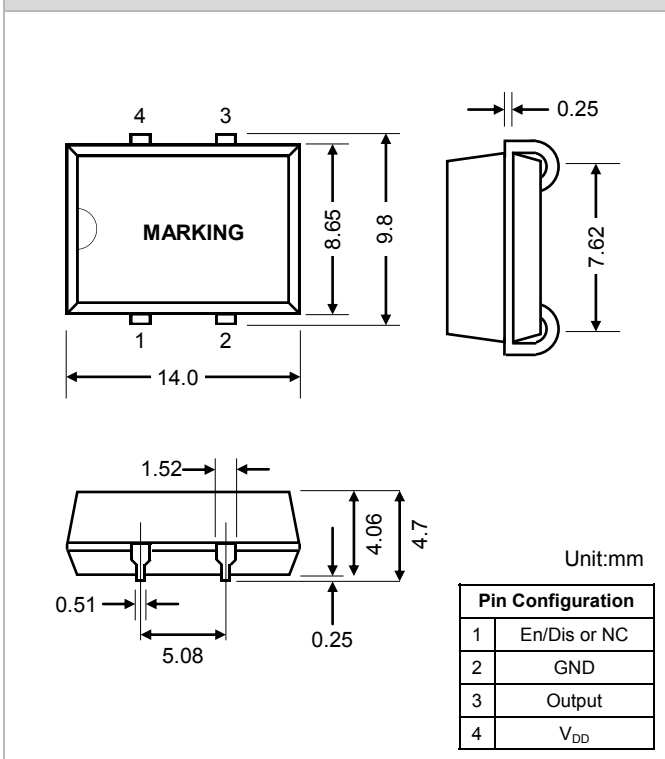
- PLASTIC MOLDED SMD OSCILLATOR
- WIDE FREQUENCY RANGE
- REFLOW CAPABLE / LOW CURRENT



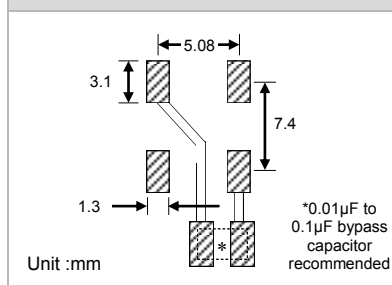
### ■ SPECIFICATION

<b>FREQUENCY RANGE</b>		1.000MHz ~ 125.000MHz
<b>FREQUENCY STABILITY</b>		±10ppm ~ ±100ppm
<b>OPERATING TEMPERATURE RANGE</b>		STD: 0°C ~ +70°C, Option: -40°C ~ +85°C (See P/N guide for other options)
<b>STORAGE TEMPERATURE RANGE</b>		-55°C ~ 125°C
<b>SUPPLY VOLTAGE ± 10%</b>		3.3V <sub>DC</sub> , 5.0V <sub>DC</sub>
<b>SUPPLY CURRENT</b>		45mA max.
<b>OUTPUT</b>	<b>LOGIC FAMILY</b>	HCMOS, TTL, CMOS/TTL
	<b>LOAD</b>	15pF, 10TTL
	<b>LEVEL LOGIC '1' (V<sub>OH</sub>)</b>	<b>HCMOS:</b> 0.9 x V <sub>DD</sub> min. <b>TTL:</b> 2.4V <sub>DC</sub> min.
	<b>LEVEL LOGIC '0' (V<sub>OL</sub>)</b>	<b>HCMOS:</b> 0.9 x V <sub>DD</sub> max. <b>TTL:</b> 0.4V <sub>DC</sub> max.
	<b>SYMMETRY (DUTY CYCLE)</b>	STD: 40% / 60%, option: 45% / 55%
	<b>RISE AND FALL TIME (Tr/Tf)</b>	<b>7nS max.:</b> 1.000MHz ≤ f ≤ 60.000MHz <b>5nS max.:</b> 60.000MHz < f ≤ 70.000MHz <b>4nS max.:</b> 70.000MHz < f ≤ 125.000MHz
<b>START-UP TIME</b>		5mS max.
<b>STAND-BY VOLTAGE</b>	<b>ENABLE (V<sub>IH</sub>)</b>	0.7 x V <sub>DD</sub> ≤ V <sub>IH</sub> ≤ V <sub>DD</sub> OR N/C
	<b>DISABLE (V<sub>IL</sub>)</b>	V <sub>IL</sub> ≤ 0.3 x V <sub>DD</sub>
<b>AGING @ 25°C ± 3°C</b>		±3.0ppm / 1 <sup>st</sup> year max.
<b>PHASE JITTER RMS (12kHz ~ 20MHz)</b>		1pS max.

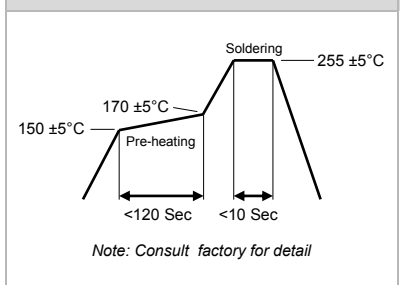
### ■ PACKAGE DIMENSIONS



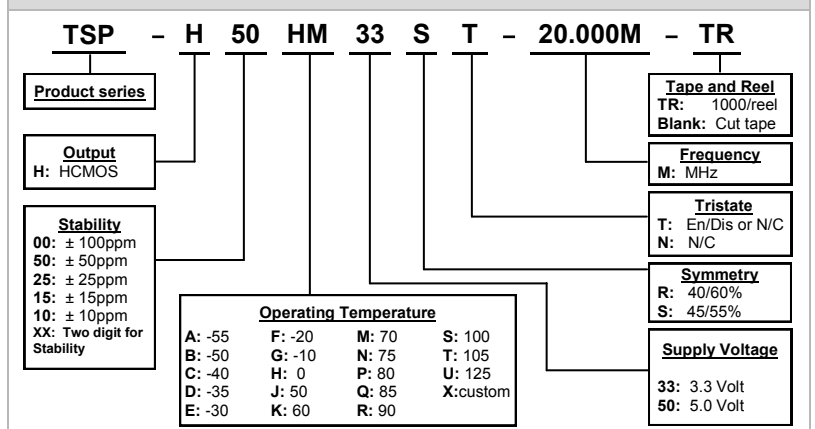
### ■ SOLDER PATTERN



### ■ REFLOW PROFILE



### ■ PART NUMBERING GUIDE



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