

ULTRA MINIATURE SMD CMOS OSCILLATOR (2.5 x 2.0 x 0.82mm)

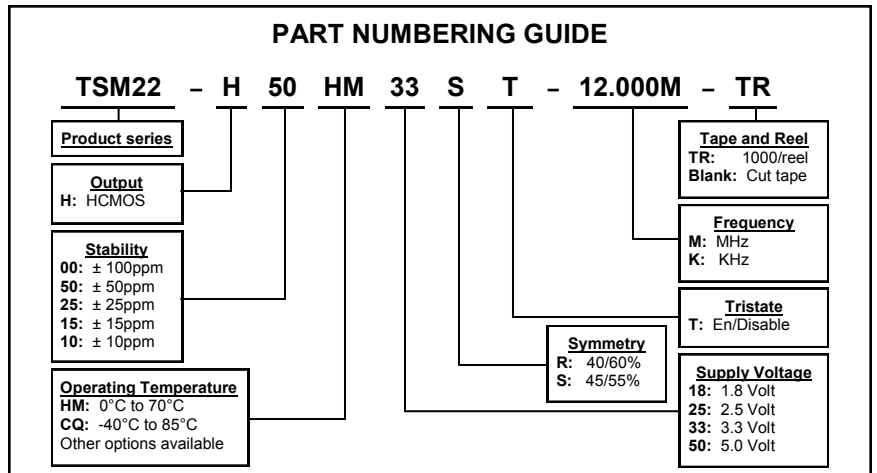
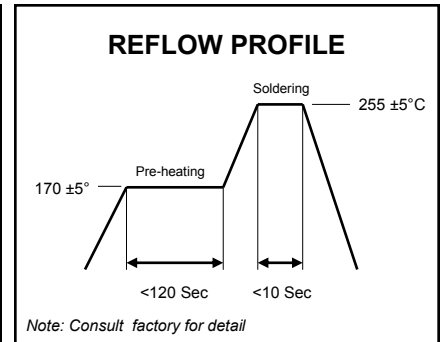
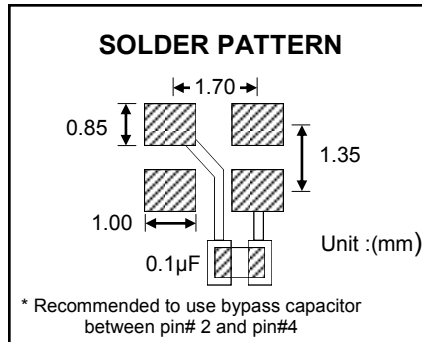
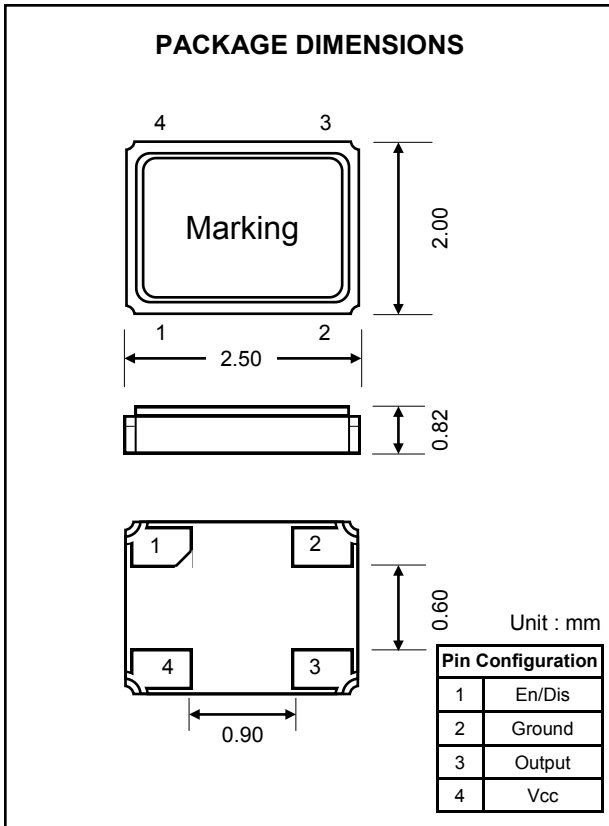
FEATURES:

- WIDE FREQUENCY RANGE
- LOW VOLTAGE / LOW CURRENT
- ENABLE / DISABLE

RoHS
Compliant



MODEL	TSM22		
SUPPLY VOLTAGE	1.8V	2.5V	3.3V
FREQUENCY RANGE	750.000KHz ~ 80.000MHz		1.000MHz ~ 80.000MHz
FREQUENCY STABILITY	± 25ppm ~ ± 100ppm		
OUTPUT	HCMOS		
OPERATING TEMPERATURE	-10°C to 70°C, -40°C to 85°C		
INPUT CURRENT	20mA max.	24mA max.	50mA max.
DUTY CYCLE	40/60% max. @ 1/2 VDD level		
RISE/FALL TIME	5.0nS typical, 7.0nS max		
OUTPUT VOLTAGE VoH/VoL	90% VDD min. / 10% VDD max.		
OUTPUT LOAD	15pF max.		
START UP TIME	10mS max.		
AGING	± 3.0ppm max. @ 25°C ± 3°C		
PIN# 1 TRISTATE	ViH 0.7 x VDD min. = Oscillation ViL 0.3 x VDD max. = Stop oscillation, High impedance		
DISABLE PHASE DELAY TIME	150nS max.		
ENABLE PHASE DELAY TIME	10mS max.		



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