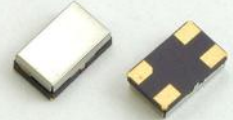


MINIATURE SMD REAL TIME CLOCK OSCILLATOR (6.5 x 4.0 x 2.0mm)

FEATURES:

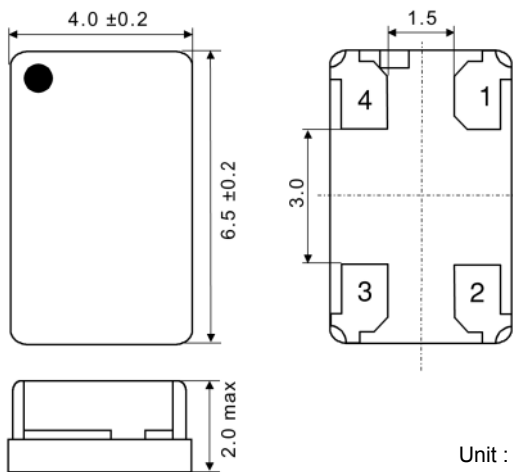
- HCMOS OUTPUT @ 32.768KHz
- LOW VOLTAGE
- LOW CURRENT

RoHS
Compliant



MODEL	TSL64
FREQUENCY RANGE	32.768KHz
SUPPLY VOLTAGE	3.3V ± 10% or 5.0V ± 10%
FREQUENCY TOLERANCE @ 25°C	± 30ppm max.
OUTPUT	HCMOS
OPERATING TEMPERATURE	-10°C to 60°C
INPUT CURRENT	1.5uA max (VDD = 3.3V without load over -40 to 85°C)
DUTY CYCLE	45/55% max. @ 1/2 VDD level
RISE/FALL TIME	100nS typical, 200nS max
OUTPUT VOLTAGE VoH	VDD - 0.4V min. (CL = 15pF at 25°C)
OUTPUT VOLATGE VoL	VDD - 0.4V max. (CL = 15pF at 25°C)
OUTPUT LOAD	15pF max.
START UP TIME	3.0 sec max.
AGING	± 5.0ppm max. @ 25°C ± 3°C
PIN# 1 TRISTATE	ViH 90% VDD min. = Oscillation ViL 10% VDD max. = High impedance
DISABLE PHASE DELAY TIME	100nS max.
ENABLE PHASE DELAY TIME	3.0 sec max.

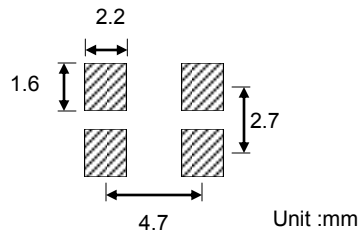
PACKAGE DIMENSIONS



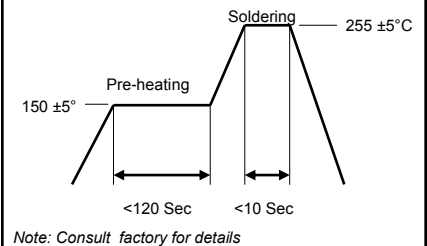
Unit : mm

Pin Configuration	
1	En/Dis
2	Ground
3	Output
4	Vcc

SOLDER PATTERN



REFLOW PROFILE



PART NUMBERING GUIDE

