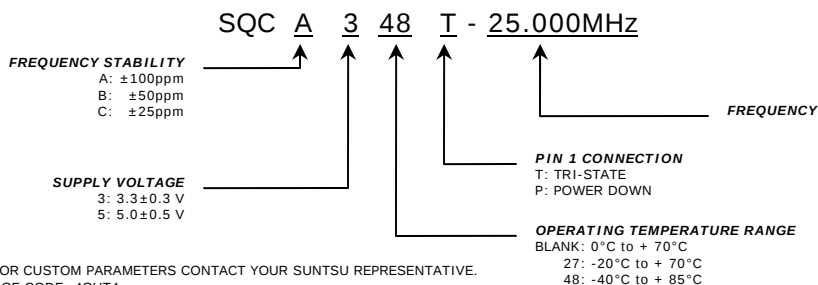


SQC SERIES FEATURES

- AVAILABLE TO ± 25 ppm
- MINIATURE PACKAGE
- CMOS
- TRI-STATE/POWER DOWN
- RoHS COMPLIANT
- 3.3 ± 0.3 V OR 5 ± 0.5 V

PART NUMBERING GUIDE



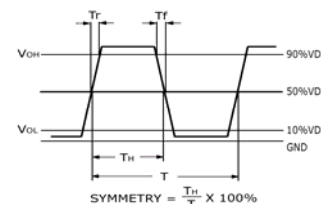
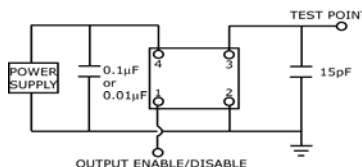
ELECTRICAL SPECIFICATIONS

FREQUENCY RANGE: 1.000MHz-133.000MHz
STABILITY (VS. AGING): ± 5 ppm/FIRST YEAR MAX
STORAGE TEMPERATURE: -55°C TO 125°C
DUTY CYCLE: 1.000MHz - 66.000MHz 45%/55%
 66.000MHz - 133.000MHz 40%/60%
CURRENT CONSUMPTION: 5.0: 45mA MAX; 3.3: 25mA MAX
LOAD:
 5.0V 1MHz-66.6MHz: 50pF MAX; 66.6MHz-133MHz: 25pF MAX
 3.3V 1MHz-40MHz: 30pF MAX; 40MHz-133MHz: 15pF MAX
START-UP TIME: 10ms MAX
RISE/FALL TIME: 4ns MAX
JITTER: 5.0V 1.000MHz - 133.000MHz: 11ps MAX RMS
 1.000MHz - 133.000MHz: 99ps MAX Pk TO Pk
 3.3V 1.000MHz - 133.000MHz: 11ps MAX RMS
 1.000MHz - 133.000MHz: 99ps MAX Pk TO Pk
ENABLE OUTPUT/NO CONNECT:
 5V: VIH = 2.0V MIN; 3.3V: VIH = 70%Vdd MIN
TRI-STATE/ POWER DOWN:
 5V: VIH = 0.8V MAX; 3.3V: VIH = 20%Vdd MAX

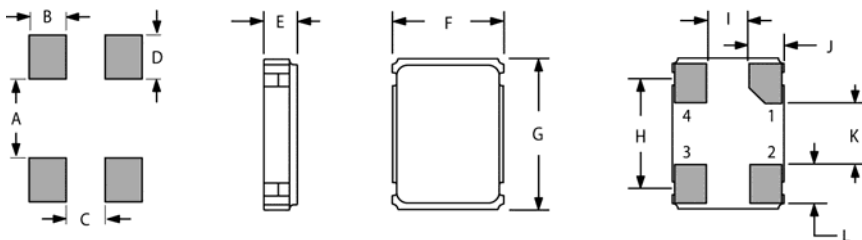
ENVIRONMENTAL & MECHANICAL SPECIFICATIONS

DROP TEST: 75cm ONTO 2mm STEEL PLATE (3 TIMES)
MECHANICAL SHOCK: MIL-STD-883 METHOD 2002, CONDITION B
VIBRATION: 10-55-10 Hz/CYCLE 1.5mm, 4 MINUTES (3 TIMES)
SOLDERABILITY: 230°C, 3s (± 5 ppm)
RESISTANCE TO SOLDERING HEAT: 260°C, 10s (± 5 ppm)

TEST CIRCUIT & WAVEFORM



PRODUCT SCHEMATIC



NOTE: DIMENSIONS IN MILLIMETERS (mm); DRAWING NOT TO SCALE

PIN	FUNCTION
1	TRI-STATE/POWER DOWN
2	CASE GROUND
3	OUTPUT
4	SUPPLY VOLTAGE
DIMENSIONS	
A	2.9
B	2.0
C	1.8
D	2.2
E	1.4 ± 0.1
F	5.00 ± 0.2
G	7.00 ± 0.2
H	5.08 ± 0.15
I	2.60 ± 0.2
J	1.1 ± 0.15
K	3.68 ± 0.15
L	1.4 ± 0.2

REFLOW PROFILE

