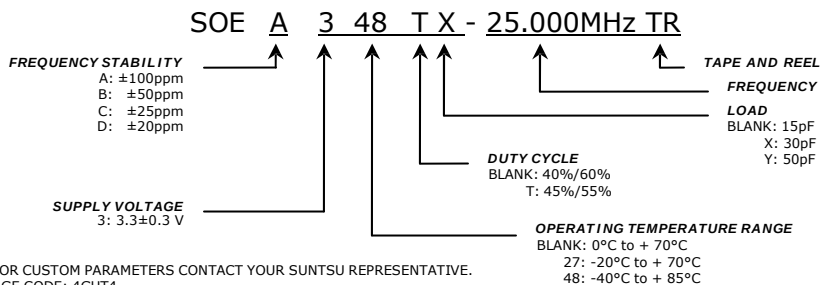


SOE SERIES FEATURES

- AVAILABLE TO ± 20 ppm
- ULTRA-MINIATURE PACKAGE
- CMOS/TTL COMPATIBLE
- TRI-STATE FUNCTION
- TAPE AND REEL
- RoHS COMPLIANT
- 3.3 $\pm$ 0.3 V

PART NUMBERING GUIDE



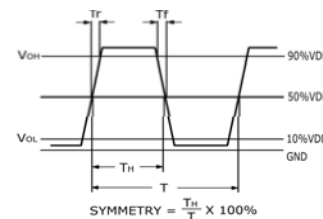
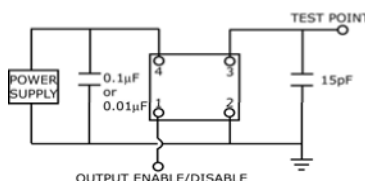
ELECTRICAL SPECIFICATIONS

FREQUENCY RANGE:	1.000MHz-125.000MHz
STORAGE TEMPERATURE:	-55°C TO 125°C
DUTY CYCLE:	
CMOS - 50% OF WAVEFORM	40%/60%, 45%/55%
TTL - 1.4V	40%/60%
CURRENT CONSUMPTION:	
1.544MHz - 9.999MHz	8.0mA MAX
10.000MHz - 34.999MHz	10.0mA MAX
35.000MHz - 49.999MHz	25.0mA MAX
50.1 - 125.000MHz	35.0mA MAX
LOAD:	
CMOS:	15pF/30pF/50pF MAX
TTL:	10 TTL GATES
START-UP TIME:	10ms MAX
RISE/FALL TIME:	10ns MAX
TRI-STATE FUNCTION (PIN 1)	OUTPUT ENABLE HIGH

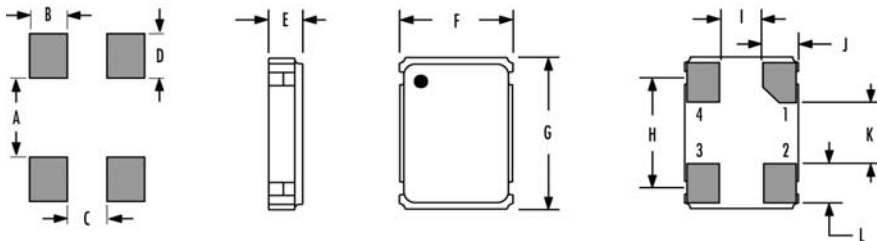
ENVIRONMENTAL & MECHANICAL SPECIFICATIONS

DROP TEST:	75cm ONTO 2mm STEEL PLATE (3 TIMES)
MECHANICAL SHOCK:	MIL-STD-883, METHOD 2002, CONDITION B
VIBRATION:	MIL-STD-883, METHOD 2007, CONDITION A
SOLDERABILITY:	230°C, 3s (± 5 ppm)
RESISTANCE TO SOLDERING HEAT:	260°C, 10s (± 5 ppm)
REEL SIZE:	2,000 PIECES

TEST CIRCUIT & WAVEFORM



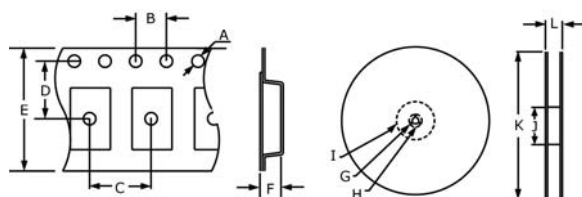
PRODUCT SCHEMATIC



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

PIN	FUNCTION
1	TRI-STATE
2	CASE GROUND
3	OUTPUT
4	SUPPLY VOLTAGE
DIMENSIONS	
A	1.0
B	0.95
C	0.8
D	1.2
E	1.2 MAX
F	2.50 $\pm$ 0.15
G	3.20 $\pm$ 0.15
H	2.20 $\pm$ 0.1
I	1.0
J	0.75 $\pm$ 0.1
K	1.30 $\pm$ 0.1
L	0.9 $\pm$ 0.1

TAPE AND REEL DIMENSIONS



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

DIMENSIONS	
A	$\Phi 1.50$
B	4.0
C	4.0
D	3.5
E	8.0
F	1.0
G	2.5
H	$\Phi 13.5$
I	21.6
J	60.0
K	180
L	9.0

REFLOW PROFILE

