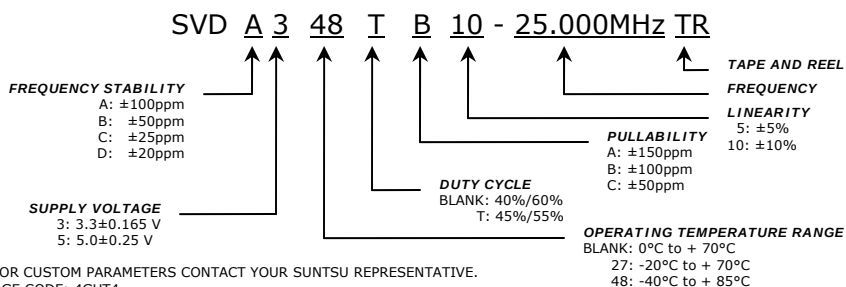


SVD SERIES FEATURES

- AVAILABLE TO ± 20 ppm
- MINIATURE PACKAGE
- CMOS
- LOW JITTER
- TRI-STATE OPERATION
- TAPE AND REEL
- RoHS COMPLIANT
- 3.3 ± 0.165 V OR 5.0 ± 0.2 V

PART NUMBERING GUIDE



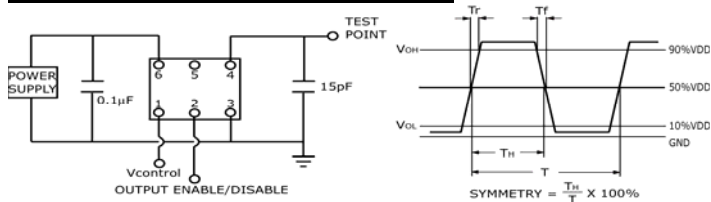
ELECTRICAL SPECIFICATIONS

FREQUENCY RANGE:	1.000MHz-200.000MHz
AGING:	± 3 ppm/FIRST YEAR
STORAGE TEMPERATURE:	-40°C TO 85°C
DUTY CYCLE:	40%/60%, 45%/55%
CURRENT CONSUMPTION:	60mA MAX
LOAD:	15pF MAX
START-UP TIME:	10ms MAX
RISE/FALL TIME:	
	≤ 23.999 MHz: 10nS MAX
	24.000MHz TO 80.000MHz: 6nS MAX
	80.001MHz TO 200.000MHz: 5nS MAX
VOLTAGE CONTROL:	
5.0V	2.5 ± 2.0 V
3.3V	1.65 ± 1.35 V
TRI-STATE FUNCTION (PIN 2):	OUTPUT ENABLE HIGH
PHASE JITTER RMS (12kHz TO 20MHz):	1pS MAX (< 77.760 MHz) 3pS MAX (77.760MHz TO 200.000MHz)

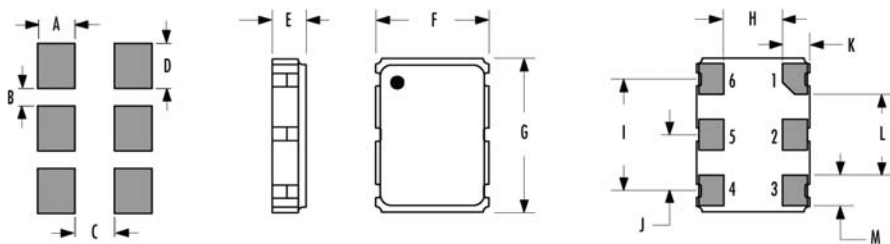
ENVIRONMENTAL & MECHANICAL SPECIFICATIONS

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 SOLERING HEAT:	260°C , 10S (± 5 ppm)

TYPICAL TEST CIRCUIT & WAVEFORM



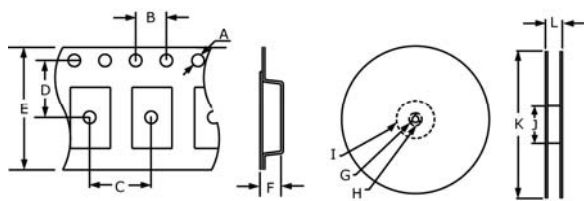
PRODUCT SCHEMATIC



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

PIN	FUNCTION
1	VOLTAGE CONTROL
2	TRI-STATE
3	CASE GROUND
4	OUTPUT
5	NO CONNECT
6	SUPPLY VOLTAGE
DIMENSIONS	
A	2.0
B	0.54
C	1.8
D	2.1
E	1.8 ± 0.2
F	5.0 ± 0.2
G	7.3 ± 0.2
H	2.4 ± 0.2
I	5.08 ± 0.2
J	2.50 TYP

TAPE AND REEL DIMENSIONS



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

DIMENSIONS	
A	$\Phi 1.50$
B	4.0
C	8.0
D	7.5
E	16.0
F	2.0
G	2.5
H	$\Phi 13.0$
I	21.6
J	60.0
K	178
L	17.5

REFLOW PROFILE

