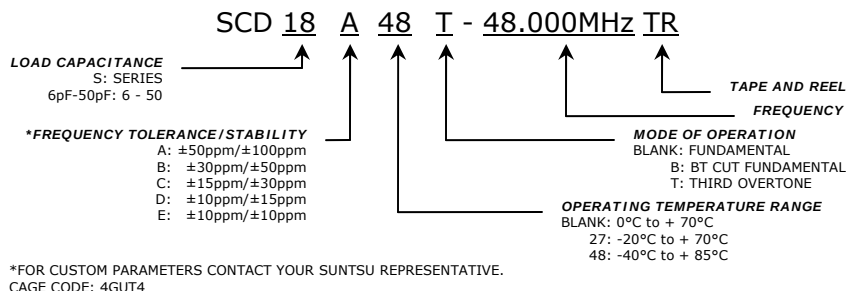


SCD SERIES FEATURES

- AVAILABLE TO $\pm 10\text{ppm}/\pm 10\text{ppm}$
- WIDE FREQUENCY RANGE
- RESISTANCE WELD
- AT OR BT CUT
- TAPE AND REEL
- RoHS COMPLIANT

PART NUMBERING GUIDE



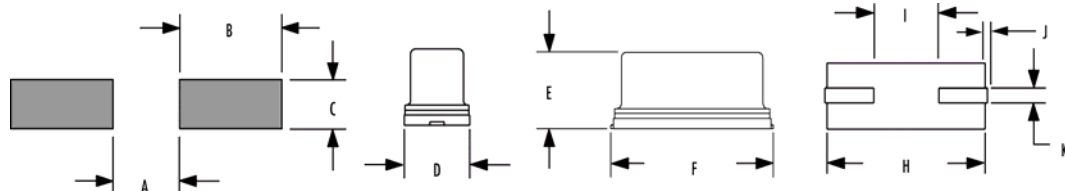
ELECTRICAL SPECIFICATIONS

FREQUENCY RANGE: 3.000MHz- 90.000MHz
AGING: $\pm 5\text{ppm}/\text{FIRST YEAR MAX}$
SHUNT CAPACITANCE: 7pF MAX
STORAGE TEMPERATURE RANGE: -55°C TO 125°C
DRIVE LEVEL: 100 μWATT TYPICAL,
 500 μWATT MAX

INSULATION RESISTANCE: 500M Ω MIN AT 100V
EQUIVALENT SERIES RESISTANCE:
 3.000MHz - 3.799MHz 180 Ω MAX (AT CUT)
 3.800MHz - 4.499MHz 150 Ω MAX (AT CUT)
 4.500MHz - 5.999MHz 120 Ω MAX (AT CUT)
 6.000MHz - 7.999MHz 100 Ω MAX (AT CUT)
 8.000MHz - 9.999MHz 80 Ω MAX (AT CUT)
 10.000MHz - 12.999MHz 60 Ω MAX (AT CUT)
 13.000MHz - 19.999MHz 50 Ω MAX (AT CUT)
 20.000MHz - 40.000MHz 30 Ω MAX (AT CUT)
 20.000MHz - 75.000MHz 50 Ω MAX (BT CUT)
 24.000MHz - 39.999MHz 100 Ω MAX (THIRD OVERTONE)
 40.000MHz - 90.000MHz 80 Ω MAX (THIRD OVERTONE)

ENVIRONMENTAL & MECHANICAL SPECIFICATIONS

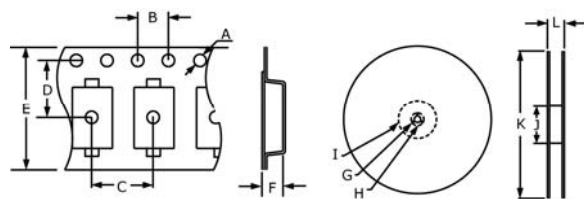
DROP TEST: 75cm ONTO HARD WOODEN SURFACE (3 TIMES)
MECHANICAL SHOCK: MIL-STD-883, METHOD 2002, CONDITION B
VIBRATION: MIL-STD-883, METHOD 2007, CONDITION A
SOLDERABILITY: 230 $^\circ\text{C}$, 3s ($\pm 5\text{ppm}/\pm 10\Omega$)
RESISTANCE TO SOLDERING HEAT: 260 $^\circ\text{C}$, 10s ($\pm 5\text{ppm}/\pm 10\Omega$)
REEL SIZE: 1,000 PIECES



DIMENSIONS	
A	4.40 MAX
B	5.50
C	2.00
D	5.00 MAX
E	4.50 MAX
F	13.30 MAX
G	4.40 MAX
H	11.70 MAX
I	4.40 MAX
J	0.50 MIN
K	0.90 $\pm$ 0.2

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

TAPE AND REEL DIMENSIONS



DIMENSIONS	
A	$\Phi 1.50$
B	4.0
C	12.0
D	11.5
E	24.0
F	4.35
G	2.5
H	$\Phi 13.5$
I	21.6
J	99.5
K	330
L	25.5

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

REFLOW PROFILE

