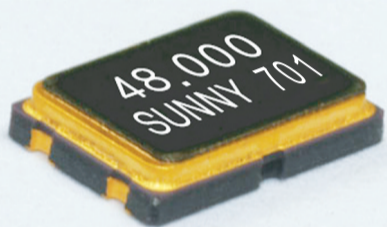


CRYSTAL UNIT



CERAMIC SMD TYPE SX-7

- Four pad ceramic surface mount package
- AT cut
- Tight tolerance/stability
- Using highly reliable seam weld method
- Taping and reel available, automatic mountable
- Pb-free and RoHS compliance

ELECTRICAL SPECIFICATIONS

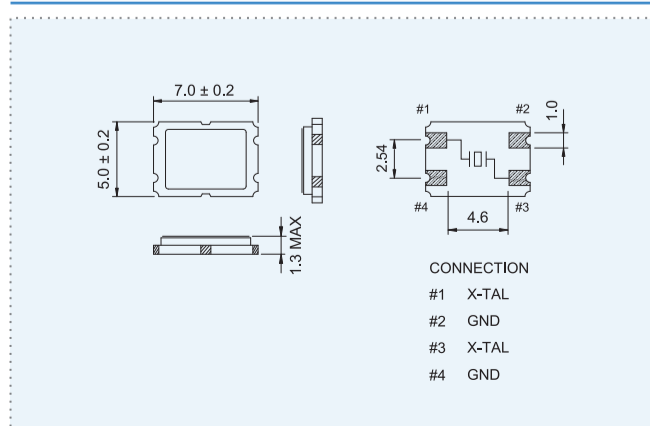
Frequency Range	6.000 to 125.000MHz
Operating Temperature Range	-10 to +60°C (STD), -20 to +70°C, -40 to 85°C, or specify
Storage Temperature Range	-40 to +85°C
Frequency Tolerance (at 25°C)	± 15, ± 30, ± 50ppm(STD), or specify
Frequency stability Over Operating Temperature Range	See Table1 in page 4
Load Capacitance(CL)	18pF(STD), Custom CL ≥ 10pF or Series Resonant
Drive Level	100 μ W(500 μ W max.)
Shunt Capacitance(Co)	7.0pF max.
Aging (at 25°C)	± 5.0ppm/year max.
Insulation Resistance	500M Ω min. at 100V _{DC}

EQUIVALENT SERIES RESISTANCE(ESR)

Frequency Range(MHz)	ESR(Ω MAX.)	Mode of Oscillation
6.000 ~ 6.999	120	Fundamental
7.000 ~ 9.999	70	Fundamental
10.000 ~ 11.999	60	Fundamental
12.000 ~ 14.999	60	Fundamental
15.000 ~ 19.999	50	Fundamental
20.000 ~ 34.999	40	Fundamental
35.000 ~ 43.999	80	3rd Overtone
44.000 ~ 49.999	60	3rd Overtone
50.000 ~ 79.999	60	3rd Overtone
80.000 ~ 125.000	50/150	3rd / 5th

MECHANICAL DIMENSIONS

(mm)



LAND PATTERN

(mm)

