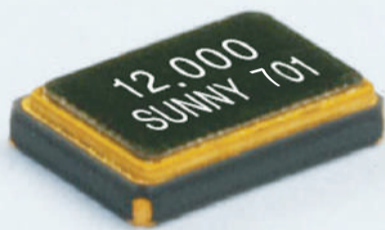


CRYSTAL UNIT



CERAMIC SMD TYPE SX-8

- 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

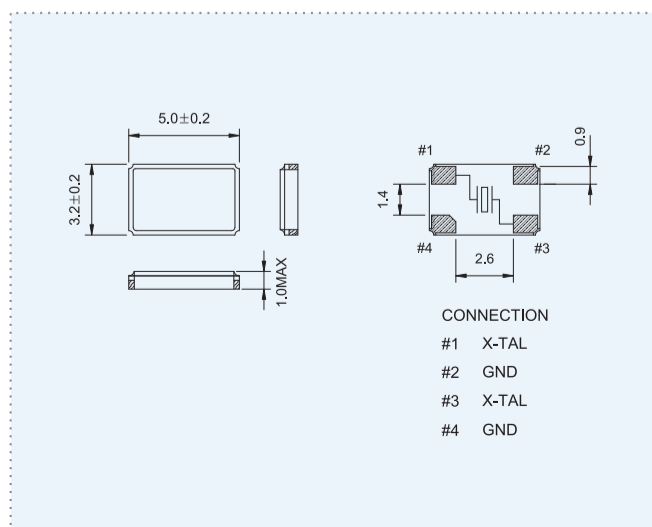
Frequency Range	10.000 to 50.000 MHz
Operating Temperature Range	-10 to +60°C (STD), -20 to +70°C, -40 to 85°C, or specify
Storage Temperature Range	-40 to +85°C
Frequency Tolerance (at 25°C)	±15, ±30, ±50ppm(STD), or specify
Frequency stability Over Operating Temperature Range	See Table 1 in page 4
Load Capacitance (CL)	18pF (STD), Custom CL ≥ 10pF or Series Resonant
Drive Level	10 μW (100 μW max.)
Shunt Capacitance (Co)	7.0pF max.
Aging (at 25°C)	±5.0ppm/year max.
Insulation Resistance	500 MΩ min. at 100V _{DC}

EQUIVALENT SERIES RESISTANCE (ESR)

Frequency Range (MHz)	ESR (Ω MAX.)	Mode of Oscillation
10.000 ~ 11.999	70	Fundamental
12.000 ~ 14.999	70	Fundamental
15.000 ~ 19.999	60	Fundamental
20.000 ~ 34.999	50	Fundamental
35.000 ~ 43.999	40	Fundamental
44.000 ~ 50.000	40	Fundamental

MECHANICAL DIMENSIONS

(mm)



LAND PATTERN

(mm)

