


New Products

Quartz Crystal

HC-49/U Series

UM Series

 ATS & SX Series

Ceramic SMD Crystal

CH-206/CH-308
& CS-306/CS

Crystal Oscillator

Monolithic Crystal Filters

Saw Filter & Resonators

Ceramic Resonators



RFQ

Request For Quotation

QUARTZ CRYSTAL

Sunny company information **SUNNY**

[ATS-25/U] [ATS-49/U] [ATS-51/U] [SX-1] [SX-3] [SX-5]


 **ATS - 49/U**

- ATS Holder type package
- AT or BT cut available
- Resistance weld seal
- Tape and reel, insulator tab, 3-lead, and custom lead length options available
- Tight tolerance / stability

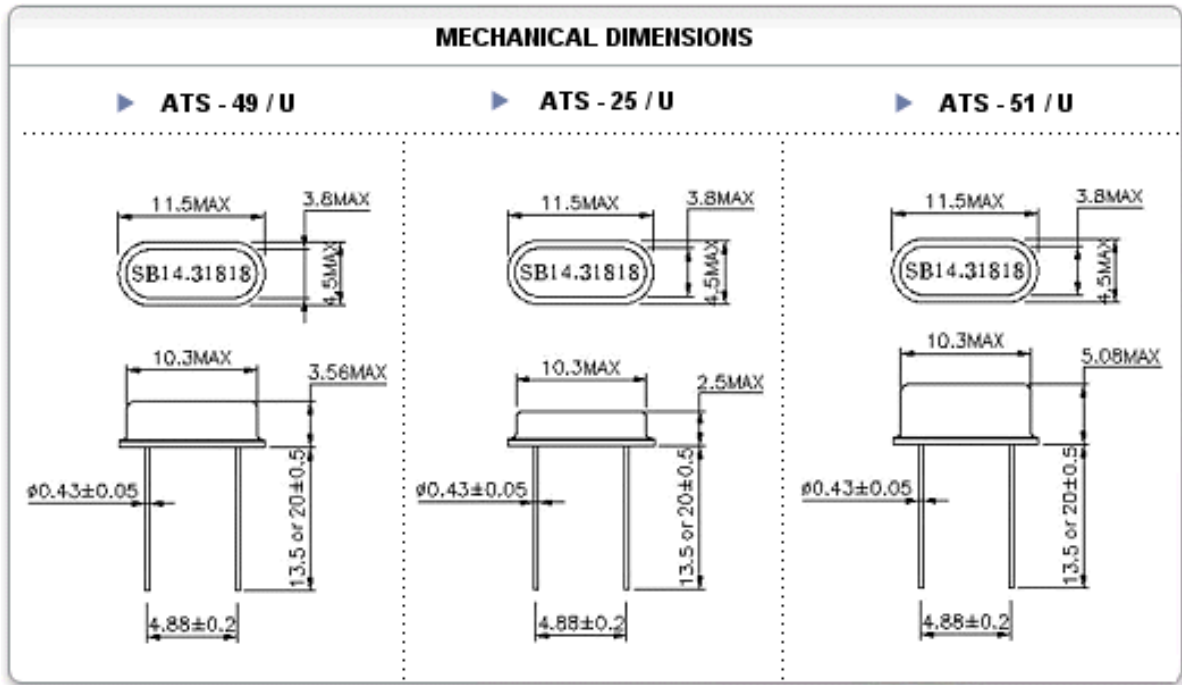
ELECTRICAL SPECIFICATIONS

| MODEL | ATS - 49 / U |
|---|--|
| Frequency Range | 3.579 to 85.000MHz |
| Operating Temperature Range | -10 to +60°C(STD), -20 to +70°C |
| Storage Temperature Range | -40 to +85°C |
| Frequency Tolerance (at 25°C) | ±15, ±30, ±50ppm(STD) |
| Frequency Stability Over Operating Temperature Range | ±30, ±50, ±100ppm(STD) |
| Load Capacitance (CL) | 18pF(STD), Custom CL ≥ 10pF or Series Resonant |
| Drive Level | 0.01 to 1,000μW |
| Shunt Capacitance (Co) | 7pF Max |
| Aging (at 25°C) | ±5ppm/year Max |
| Insulation Resistance | 500 MΩ Min at 100VDC |

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| Frequency Range (MHz) | ESR (ΩMax) | Mode of Oscillation |
|-----------------------|------------|---------------------|
| 3.579 ~ 3.999 | 150 | Fundamental / AT |
| 4.000 ~ 4.999 | 120 | Fundamental / AT |
| 5.000 ~ 5.999 | 100 | Fundamental / AT |
| 6.000 ~ 7.999 | 90 | Fundamental / AT |
| 8.000 ~ 9.999 | 70 | Fundamental / AT |
| 10.000 ~ 11.999 | 60 | Fundamental / AT |
| 12.000 ~ 14.999 | 50 | Fundamental / AT |
| 15.000 ~ 19.999 | 40 | Fundamental / AT |
| 20.000 ~ 27.000 | 30 | Fundamental / AT |
| 27.000 ~ 32.999 | 50 | Fundamental / BT |
| 33.000 ~ 40.000 | 40 | Fundamental / BT |
| 24.576 ~ 47.999 | 80 | 3rd Overtone |
| 48.000 ~ 85.000 | 60 | 3rd Overtone |

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