



ZX-49S Thru-hole Crystal Unit



{Features}

- Low cost
- Industry standard package
- High reliability and stability crystal
- Wide frequency range and calibration tolerances available
- Rohs compliant / Pb free

Application of Crystal:

- Best choice for mother board
- USB
- LAN card
- Router
- Switch



Electrical Specification:

| Model | ZX-49S |
|---|--|
| Frequency Range | 3.570 ~ 100.000 MHz |
| Frequency Tolerance at 25 °C ±2 °C | ± 20 ~ ± 50 ppm (TYP.) |
| Frequency Stability Over Operating Temp Range | ±10 ~ ±50 ppm (TYP.) |
| Operating Temp Range | -10 °C~ +60 °C, -20 °C~ +70 °C or customer requirement |
| Load Capacitance | 8 pF ~ 32 pF, series or special |
| Shunt Capacitance | 7 pF Max. |
| Drive Level | 0.1uW ~ 1000uW(TYP.: 100uW) |
| Insulation Resistance | 500M min / DC 100V ± 15V |
| Oscillation Mode | Fundamental, 3rd overtone |
| Measure Instrument | S&A 250B |

Equivalent Series Resistance(ESR) VS Frequency:

| Frequency (MHz) | Oscillation Mode | ZX-49S |
|-----------------|------------------|----------|
| 3.57 ~ 3.79 | Fundamental | 180 max. |
| 3.8 ~ 4.49 | Fundamental | 150 |
| 4.5 ~ 5.99 | Fundamental | 120 |
| 6.0 ~ 7.99 | Fundamental | 100 |
| 8.0 ~ 9.99 | Fundamental | 80 |
| 10.0 ~ 11.99 | Fundamental | 70 |
| 12.0 ~ 15.99 | Fundamental | 60 |
| 16.0 ~ 19.99 | Fundamental | 50 |
| 20.0 ~ 39.99 | Fundamental | 40 |
| 26.0 ~ 39.99 | 3rd overtone | 100 |
| 40.0 ~ 70.0 | 3rd overtone | 80 |
| 70.0 ~ 100.0 | 3rd overtone | 100 |

* Above specification subject to change without prior notice, please consult our sales representative for more information
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Dimensions (mm):

