

## YJ-49SMD 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	YJ-49SMD
Frequency Range	3.570 ~ 100.000 MHz
Frequency Tolerance at 25 ℃ ±2 ℃	±20 ~ ±50 ppm (TYP.)
Frequency Stability Over Operating Temp Range	±10 ~ ±50 ppm (TYP.)
Operating Temp Range	-10 ℃~ +60 ℃, -20 ℃~ +70 ℃ 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 ±5V
Oscillation Mode	Fundamental, 3rd overtone
Measure Instrument	S&A 250B

### Equivalent Series Resistance(ESR) VS Frequency:

Frequency (MHz)	Oscillation Mode	YJ-49SMD
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

## Dimensions (mm):

