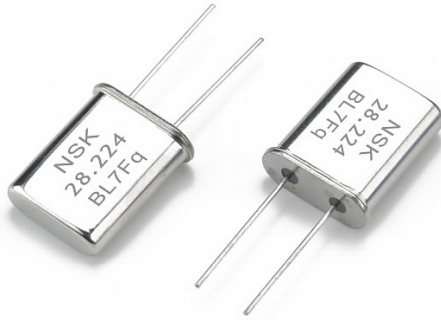


NXU HC-49/U Thru-hole Crystal Unit



{ 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 | NXU HC-49/U |
|---|--|
| Frequency Range | 1.500 ~ 160.000 MHz |
| Frequency Tolerance at 25 ℃ ± ℃ | ±0 ~ ±30 ppm (TYP.) |
| Frequency Stability Over Operating Temp Range | ±0 ~ ±30 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 & 5th overtone |
| Measure Instrument | S&A 250B |

Equivalent Series Resistance(ESR) VS Frequency:

| Frequency (MHz) | Oscillation Mode | NXU HC-49/U |
|-----------------|------------------|-------------|
| 1.5 ~ 1.99 | Fundamental | 700 max. |
| 2.0 ~ 2.99 | Fundamental | 500 |
| 3.0 ~ 3.19 | Fundamental | 300 |
| 3.2 ~ 3.99 | Fundamental | 150 |
| 4.0 ~ 4.49 | Fundamental | 90 |
| 4.5 ~ 4.99 | Fundamental | 70 |
| 5.0 ~ 6.99 | Fundamental | 50 |
| 7.0 ~ 9.99 | Fundamental | 35 |
| 10.0 ~ 36.0 | Fundamental | 25 |
| 20.0 ~ 24.99 | 3rd overtone | 45 |
| 25.0 ~ 100.0 | 3rd overtone | 40 |
| 70.0 ~ 160.0 | 5rd overtone | 70 |



Dimensions (mm):

