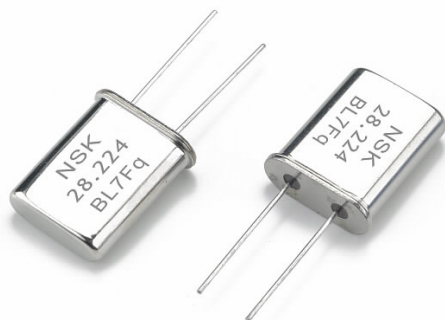


NXU HC-49/U Thru-hole Crystal Unit



{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	500MΩ 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	700Ω max.
2.0 ~ 2.99	Fundamental	500Ω
3.0 ~ 3.19	Fundamental	300Ω
3.2 ~ 3.99	Fundamental	150Ω
4.0 ~ 4.49	Fundamental	90Ω
4.5 ~ 4.99	Fundamental	70Ω
5.0 ~ 6.99	Fundamental	50Ω
7.0 ~ 9.99	Fundamental	35Ω
10.0 ~ 36.0	Fundamental	25Ω
20.0 ~ 24.99	3rd overtone	45Ω
25.0 ~ 100.0	3rd overtone	40Ω
70.0 ~ 160.0	5rd overtone	70Ω

Dimensions (mm):

