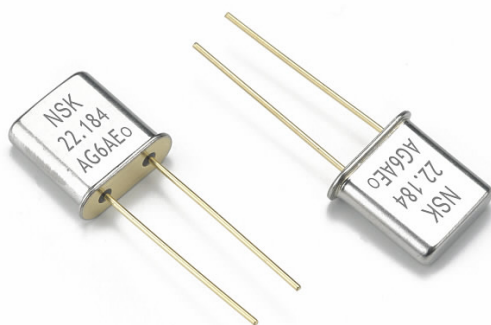


NXA UM-1 Crystal Unit



{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	NXA UM-1
Frequency Range	3.500 ~ 160.000 MHz
Frequency Tolerance at 25 ℃ ± 1 ℃	± 5 ~ ± 50 ppm (TYP.)
Frequency Stability Over Operating Temp Range	± 5 ~ ± 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	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	NXA UM-1
3.5 ~ 3.98	Fundamental	200Ω max.
4.0 ~ 4.99	Fundamental	150Ω
5.0 ~ 9.99	Fundamental	60Ω
10.0 ~ 14.99	Fundamental	40Ω
15.0 ~ 50.0	Fundamental	30Ω
30.0 ~ 49.99	3rd overtone	45Ω
50.0 ~ 100.0	3rd overtone	60Ω
75.0 ~ 160.0	5rd overtone	80Ω

Dimensions (mm):

