

49/U-S THRU-HOLE CRYSTAL UNIT



NXS Series

  	Application :
	- Best choice for mother board - LAN card - Router - Switch - USB
	Features :
	- Wide frequency range & calibration tolerances available - High reliability and stability crystal - RoHS compliant / Pb free - Industry standard package - Low cost



Electrical Specification :

Model	NXS
Frequency Range	3.570 ~ 100.0 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 specify
Load Capacitance	8pF ~ 32pF, series or specify
Shunt Capacitance	7 pF Max.
Drive Level	0.1uW ~ 1000uW (TYP.:1000uW)
Aging Rate	±3ppm/year
Insulation Resistance	500MΩ min / DC 100V±15V
Oscillation Mode	Fundamental, 3 rd Overtone
Measure Instrument	S&A 250B

* Above specification subject to change without prior notice, please consult our sales representative for more information*

SHENZHEN - Shenzhen Huilicheng Electronic Technology Co.,Ltd. HONGKONG - HUILICHENG ELECTRONICS(HK)CO.,LIMITED

Address: 6910b,Seg Plaza,No.1002 North Huaqiang Road,Fuqiang Community,Huaqiang North Street,Shenzhen,Guangdong,China

Tel: +86-0755-83576022

E-mail: hlc-zzw@hlcdzjkj.com

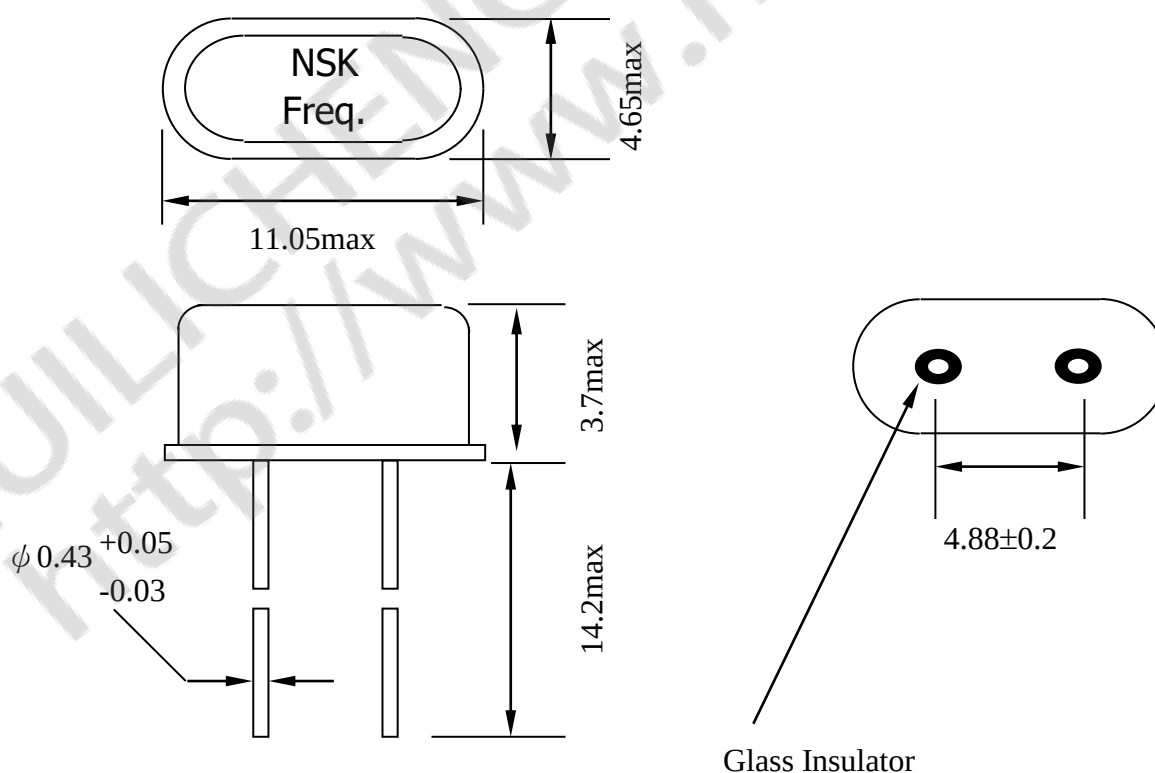
Fax: 0755-83778079

Web: <http://www.hlcdzjkj.com>

Equivalent Series Resistance (ESR) V.S. Frequency:

Frequency (MHz)	Oscillation Mode	NXS
3.57 MHz ~ 3.79 MHz	Fundamental	180Ω Max
3.80 MHz ~ 4.49 MHz	Fundamental	150Ω
4.50 MHz ~ 5.99 MHz	Fundamental	120Ω
6.00 MHz ~ 7.99 MHz	Fundamental	100Ω
8.00 MHz ~ 9.99 MHz	Fundamental	80Ω
10.00 MHz ~ 11.99 MHz	Fundamental	70Ω
12.00 MHz ~ 15.99 MHz	Fundamental	60Ω
16.00 MHz ~ 19.99 MHz	Fundamental	50Ω
20.00 MHz ~ 39.99 MHz	Fundamental	40Ω
26.00 MHz ~ 39.99 MHz	3 rd Overtone	100Ω
40.00 MHz ~ 70.00 MHz	3 rd Overtone	80Ω
70.00 MHz ~ 100.00 MHz	3 rd Overtone	100Ω

Dimensions (mm) :



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