














49/U-S SMD TYPE CRYSTAL UNIT



NXE – AHF Series

  	Application : <ul style="list-style-type: none">  Best choice for mother board  LAN card  Router  Switch  USB
	Features : <ul style="list-style-type: none">  Wide frequency range & calibration tolerances available  High reliability and stability crystal  RoHS compliant / Pb free  Industry standard package  Low cost

Electrical Specification :

Model	NXE-AHF
Frequency Range	3.579545 ~ 100.0 MHz
Frequency Tolerance at 25°C±2°C	±10 ~ ±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
Drive Level	0.1uW ~ 1000uW (TYP.:1000uW)
Aging Rate	±3ppm/year
Insulation Resistance	500MΩ min / DC 100V±15V
Soldering Reflow Profile	255°C±10°C 8sec. max
Case Material	Low profile type
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*

TAIWAN – JENJAAN QUARTEK CORPORATION

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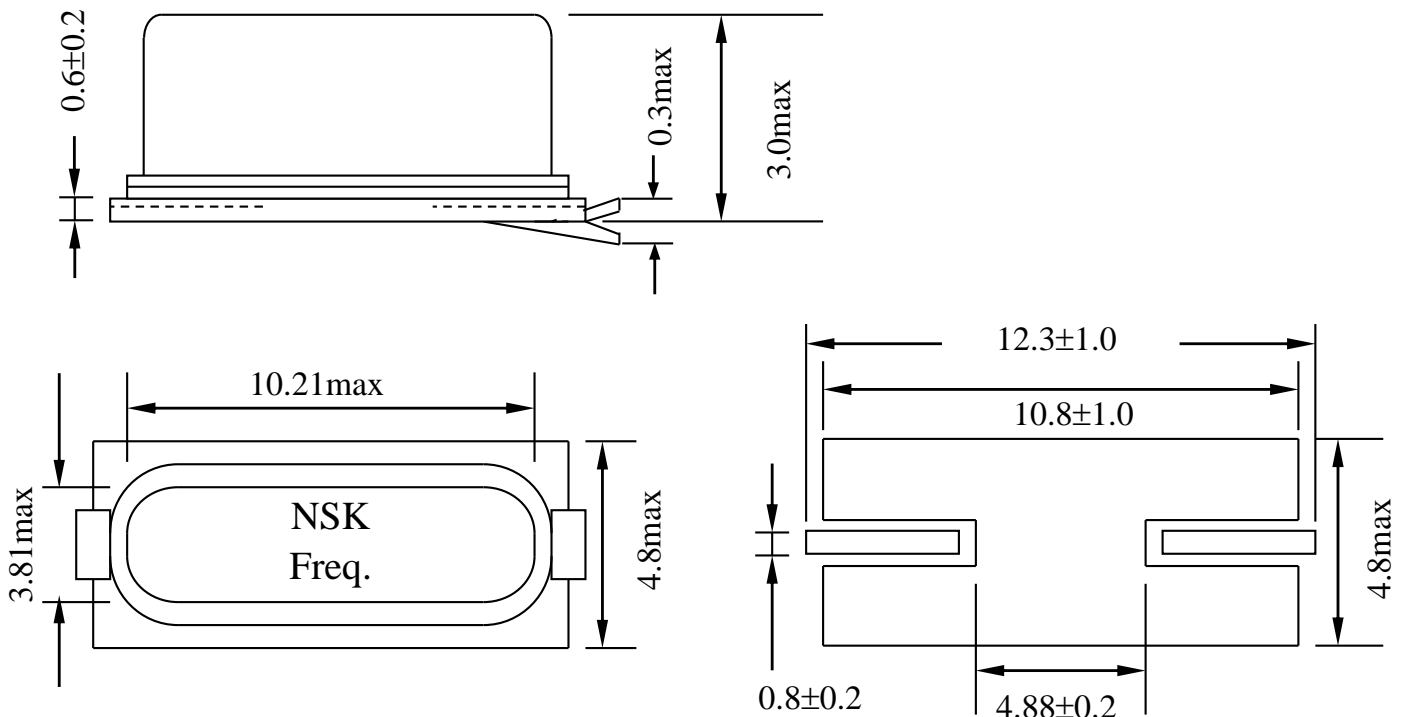
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Equivalent Series Resistance (ESR) V.S. Frequency:

Frequency (MHz)	Oscillation Mode	NXE-AHF
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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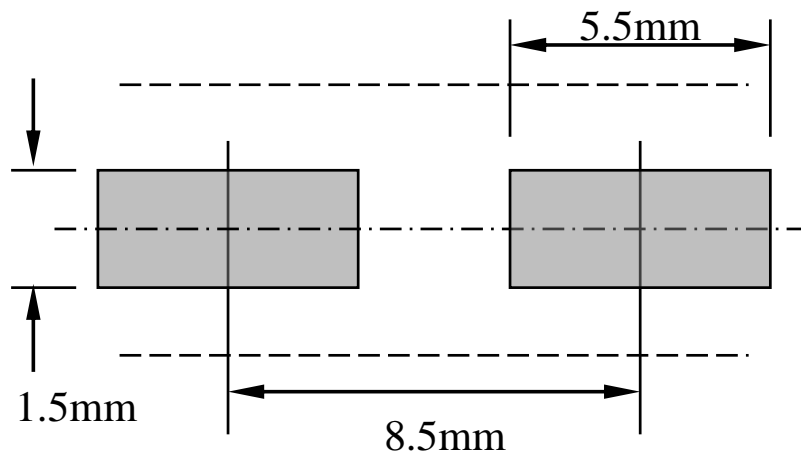
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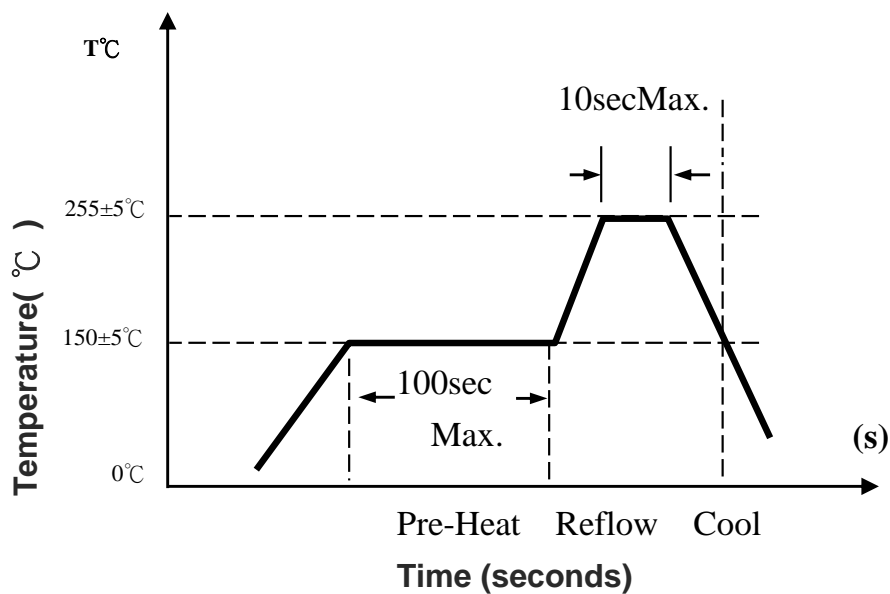
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Land Pattern (reference) :



Reflow Temperature Profile :



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