

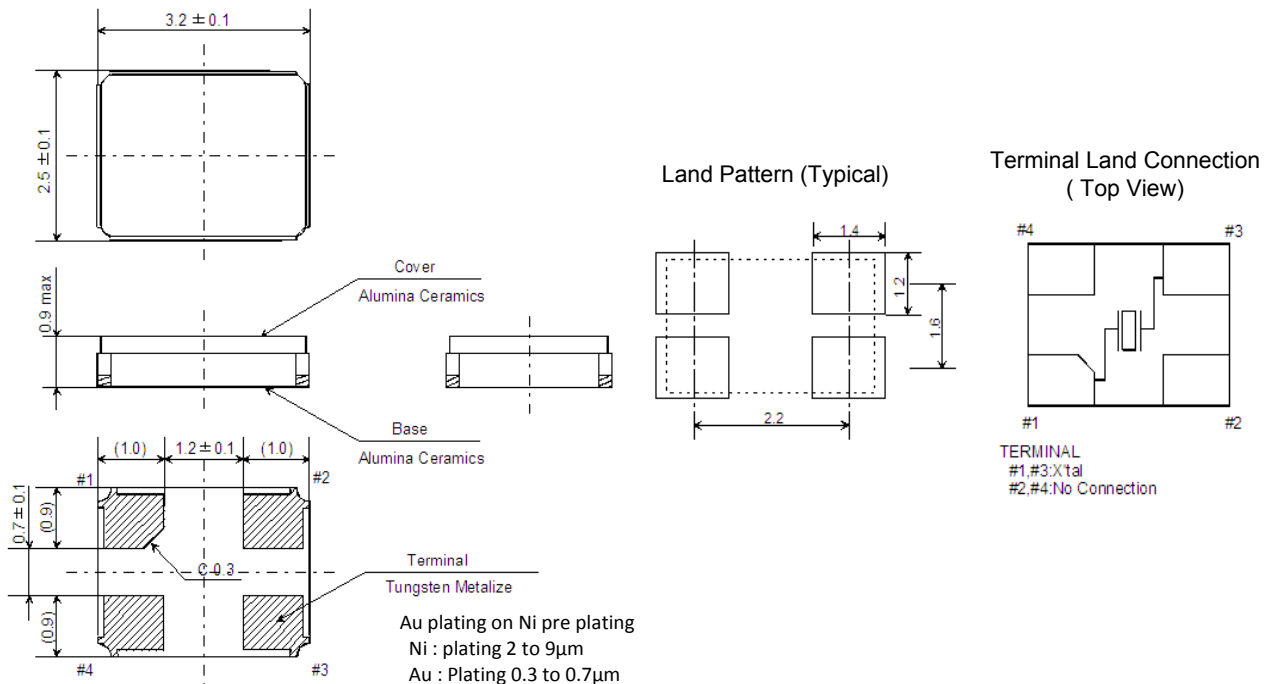


**THE DATASHEET OF
NX3225GA-26MHZ-TI**



1	NDK Part Number	NX3225GA-26.000MHz-EXS00A-CG01972
2	NDK Specification Number	EXS00A-CG01972
3	Type	NX3225GA
4	Chipset Maker	TEXAS INSTRUMENTS
5	Application	Smart meter , Zigbee
6	Chipset Name	NA
7	Chipset Number	Smart meter: CC430 , Zigbee:CC1101
8	End User	Smart Grid market
9	Electrical Characteristics	
9.1	Nominal Frequency (f_{nom})	26.000 MHz
9.2	Overtone order	Fundamental
9.3	Frequency Tolerance	$\pm 20 \times 10^{-6}$ max. (+25 °C)
9.4	Frequency Versus Temperature Characteristics	$\pm 40 \times 10^{-6}$ max. (-40 ~ +85 °C) The reference temperature shall be +25 °C
9.5	Equivalent Series Resistance (R_r)	50 Ω max.
9.6	Shunt Capacitance (C_0)	1.2 \pm 0.3 pF
9.7	Motional Capacitance (C_1)	4.8 fF \pm 30 %
9.8	Motional Inductance (L_1)	7.8 mH \pm 30 %
9.9	Pulling Sensitivity	19.1 $\times 10^{-6}$ /pF \pm 30 % (where $C_L = 10$ pF)
9.10	Maximum Drive Level	200 μ W max.
10	Measurement Circuit	
10.1	Frequency Measurement	
10.1.1	Measuring Instrument	π -network (IEC)
10.1.2	Load Capacitance (C_L)	10 pF
10.1.3	Level of Drive	10 μ W
10.2	Equivalent Resistance Measurement	
10.2.1	Measuring Instrument	π -network (IEC)
10.2.2	Load Capacitance (C_L)	Series
10.2.3	Level of Drive	10 μ W
11	Operable Temperature Range	-40 ~ +85 °C
12	Storage Temperature Range	-40 ~ +85 °C
13	Dimension	

(Unit: mm)



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