

Specification of Quartz Crystal Units

1 NDK Part Number	NX3225GA-26MHz-EXS00A-CG01972
2 Chipset Maker	NX3225GA-26M-TI
3 Application	TEXAS INSTRUMENTS
4 Chipset Name	Smart meter, Zigbee
5 NDK Specification Number	Smart meter: CC430, Zigbee: CC1101
6 Type	EXS00A-CG01972
7 Electrical Characteristics	NX3225GA

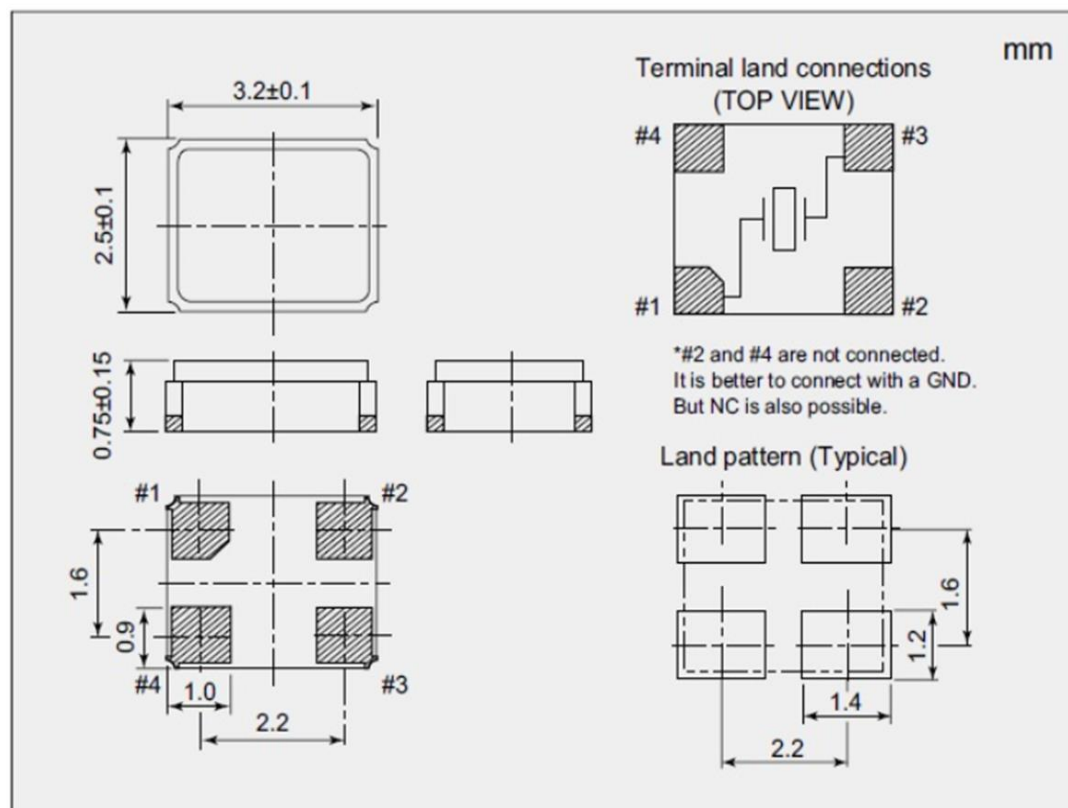
	Parameters	SYM.	Electrical Spec.				Notes
			min	typ	max	Units	
1	Nominal Frequency (f _{nom})	f _{nom}	26.000			MHz	
2	Overtone order	-	Fundamental			-	
3	Frequency tolerance	-	-20	-	+20	ppm	at +25°C
4	Frequency versus temperature characteristics *1.	-	-40	-	+40	ppm	at -40 to +85°C
5	Equivalent Series Resistance	R _r	-	-	50	Ω	IECπ -Network Series
6	Load capacitance	CL	-	10	-	pF	IECπ -PI-Network
7	Level of drive	-	-	10	200	μW	
8	Shunt Capacitance	C0	-0.3	1.2	+0.3	pF	
9	Motional Capacitance	C1	-30%	4.8	+30%	fF	
10	Motional Inductance	L1	-30%	7.8	+30%	mH	
11	Pulling sensitivity	S	-30%	19.1	+30%	ppm/pF	*2
12	Operating temperature range	-	-40	-	+85	°C	
13	Storage temperature range	-	-40	-	+85	°C	

*1. The reference temperature shall be +25°C

*2. CL=10pF. This value is calculated by following formula.

$$S = (C1 \times 1,000) / \{2(C0 + CL)2\} \text{ [ppm/pF]} \quad \text{Unit } C0: [\text{pF}], C1: [\text{fF}], CL: [\text{pF}]$$

Dimension



Mouser Electronics

Authorized Distributor

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[NDK:](#)

[NX3225GA-26.000MHZ-EXS00A-CG01972](#) [NX3225GA-26MHZ-TI](#) [CG01972-26M](#)