Crystal Units NEW

•Ultra compact and thin. $(3.2 \times 2.5 \times 0.6 \text{mm typ.})$



•With a well established reputation for reliability, this product is best suited for car

- Excellent environmental characteristics, including heat, vibration and shock resistance.
- Highly resistant to solder cracking.
- •Lead-free. Meets the requirements for re-flow profiling using lead-free solder.

A small surface-mount type crystal unit, ideal for an engine control CPU clock; delivering the high reliability that is particularly demanded by car electronics.

Conforms to AEC-Q20

electronics equipment.

Features



RoHS Compliant Directive 2002/95/EC

Specifications

Item	NX3225SC
Frequency Range	9.84375 to 40MHz
Overtone Order	Fundamental
Frequency Tolerance (25 ±3°C)	$\pm 50 \times 10^{-6}$
Temperature Characteristics (with reference to +25°C)	$\pm 150 \times 10^{-6}$
Operating Temperature Range	–40 to +125°C
Equivalent Series Resistance	Refer to *1
Drive Level	10μW(Max:200μW)
Load Capacitance	8pF

The above specifications are standard for this NDK product.

Custom-made specifications such as load capacitance and temperature characteristics are also available. Please contact NDK sales with your enquiries.

How to Specify an Order

When ordering our products, specify them with an "Ordering Code" that consists of the following :

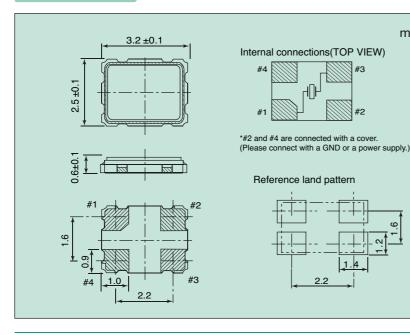
Model name - Frequency (Max : 9 digits) M - Number for specifying an order

Example NX3225SC-9.84375M-STD-CRS-1

If you have any queries concerning our standard frequencies and numbers for specifying orders, please contact our sales representatives or visit our homepage (http://www.ndk.com/).

mm

Dimensions



*1 Equivalent Series Resistance

Frequency (MHz) (Range)	Equivalent Series Resistance max.[Ω]
9.84375 to 16	300
16 to 30	220
30 to 40	150



For Car Electronics