

# Surface Mount Crystal

•SR3-14 (6.8 x 1.4 x 1.3 mm)

# NKG

Factory  
Direct to  
the USA

## Electrical Specifications

|                                    |            |                           |
|------------------------------------|------------|---------------------------|
| SMD 32.768 KHz                     |            |                           |
| SR3-14                             |            |                           |
| RESIN MOLD                         |            | SR3-14                    |
| PARAMETER                          | CONDITION  |                           |
| FREQUENCY                          |            | 32.768 KHz                |
| DIMENSIONS                         |            | 6.8 x 1.4 x 1.3 mm        |
| LOAD CAPACITANCE (CL)              | STANDARD   | 12.5 pF                   |
|                                    | OPTIONAL   | 6.7, 9 pF                 |
| STATIC CAPACITANCE (Co)            |            | 0.8 pF TYPICAL            |
| EQUIVALENT SERIES RESISTANCE (ESR) |            | 65 K OHM MAX              |
| DRIVE LEVEL                        |            | 0.1 uW TYP., 1.0 uW MAX   |
| FREQUENCY MODE                     |            | FUNDAMENTAL               |
| FREQ. TOLERANCE AT +25C            | STANDARD   | +/-20 PPM                 |
|                                    | OPTIONAL   | +/-10 PPM, +/-30 PPM      |
| TURNOVER TEMPERATURE               |            | +25°C, +/-5°C             |
| TEMPERATURE COEFFICIENT            |            | -0.04 PPM/°C <sup>2</sup> |
| OPERATING TEMP. RANGE              |            | -40°C TO +85°C            |
| STORAGE TEMP. RANGE                |            | -55°C TO +105°C           |
| AGING                              | FIRST YEAR | 3 PPM                     |
| HERMETIC SEALED                    |            | YES, COLDWELD             |
| INSULATION RESISTANCE              |            | 500 MΩ MIN                |
| SOLDER PADS                        | QTY:       | 4 (XTAL =1&4, 2&3 =GND)   |
| RoHS STATUS                        |            | COMPLIANT                 |
| LEGACY P/N                         |            | 01-CR3-14                 |

### NOTES:

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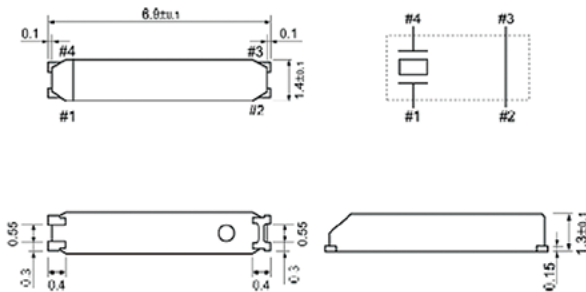
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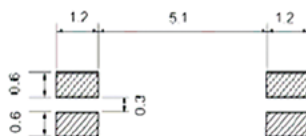
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## Dimensions (Unit:mm)

## \*NKG Crystal Part Example Key



\* Do not connect to external with #2 and #3



\*NOT TO SCALE

**SR3 - 14 - 32K768 - 12.5 - 20 - M**

Family  
(a grouping of similar parts sharing common attributes and features)

Package (if necessary)

Frequency

Temperature Range Celsius

C = -10° to +60°

E = -20° to +70°

M = -40° to +85°

Frequency Tolerance at 25° C

CL (load capacitance)

**Contact**

[www.nkg-usa.com/contactnkg](http://www.nkg-usa.com/contactnkg)