



**THE DATASHEET OF
NX2012SA-32.768KHZ-EXS00A-MU00797**



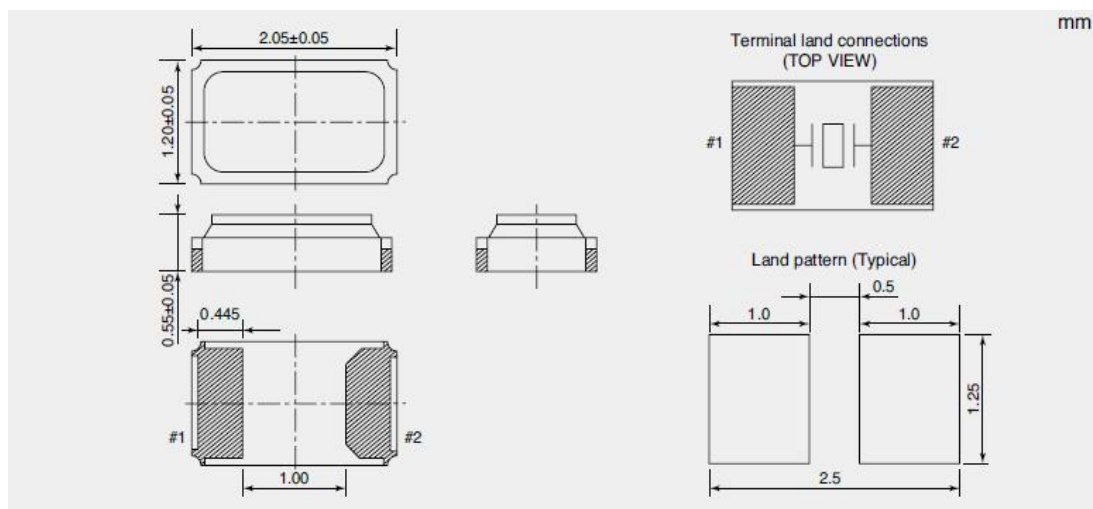
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|------------------------------|-----------------------------------|
| 1 NDK Part Number | NX2012SA-32.768KHZ-EXS00A-MU00797 |
| 2 NDK Specification Number | EXS00A-MU00797 |
| 3 Type | NX2012SA |
| 4 Electrical Characteristics | |

| | Parameters | SYM. | Electrical Spec. | | | | Notes |
|----|---------------------------------------|------------------|------------------|------|------|---------------------|----------------------------------|
| | | | min | typ | max | Units | |
| 1 | Nominal Frequency (f _{nom}) | f _{nom} | 32.768 | | | kHz | - |
| 2 | Overtone order | - | Fundamental | | | - | - |
| 3 | Load capacitance | CL | - | 6 | - | pF | *1 |
| 4 | Frequency tolerance | - | -20 | - | +20 | ppm | at +25°C |
| 5 | Turning Point | - | +25+/-5 | | | °C | - |
| 6 | Temperature coefficient | - | -0.04 Max. | | | ppm/°C ² | - |
| 7 | Operating temperature range | - | -40 | - | +125 | °C | - |
| 8 | Aging | - | +/-3 | | | ppm | 1 st year (at 25°C) |
| | | | +/-5 | | | ppm | 5 th years (at 25°C) |
| | | | +/-10 | | | ppm | 10 th years (at 25°C) |
| | | | +/-15 | | | ppm | 20 th years (at 25°C) |
| 9 | Drive Level | DL | - | 0.1 | 0.5 | μW | - |
| 10 | Equivalent Series Resistance | R _r | - | 55 | - | kΩ | at +25+/-3°C, *1 |
| | | | - | - | 80 | kΩ | at -40 to +85°C |
| | | | - | - | 110 | kΩ | at 85 to +125°C |
| 11 | Shunt Capacitance | C ₀ | 1.0 | 1.3 | 1.6 | pF | *1 |
| 12 | Insulation resistance | - | 500 | - | - | Ω | *2 |
| 13 | Storage temperature range | - | -40 | - | +125 | °C | - |
| 14 | Motional Capacitance | C ₁ | 4.0 | 5.0 | 6.0 | pF | *1 |
| 15 | Motional Inductance | L ₁ | 3500 | 5000 | 6500 | H | *1 |

*1. Network Analyzer (CNA-LF made in Transat corp.)

*2. Terminal to terminal insulation resistance must be 500MΩ (Min.) when DC100V ±15V is applied.

Dimension









Looking for pricing, stock, or lifecycle information?

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