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| 1 | NDK Part Number | NT2520SA-26M-DJA3001A |
| 2 | NDK Specification Number | DJA3001A |
| 3 | Type | NT2520SA |
| 4 | Rating | |
| 4.1 | Nominal Frequency (f_{nom}) | 26 MHz (2 digits marking) |
| 4.2 | Supply Voltage | +2.4 V +/-0.1 V DC (-Earth) |
| 4.3 | Current Consumption | Max. 1.1 mA (Typ. 0.9 mA) |
| 4.4 | Output Voltage | Min. 0.8 V _{p-p} Clipped sine wave (DC-Coupling) |
| 4.5 | Operable Temperature Range | -30 to +75 °C |
| 4.6 | Storage Temperature Range | -40 to +85 °C |
| 4.7 | Load impedance | 10 kΩ // 10 pF |
| 4.8 | DC-cut Capacitor | DC-cut capacitor of output is not put in TCXO. Please add DC-cut capacitor (1000 pF) in output line. |

5 Electrical specification

5.1 Frequency Stability

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| 5.1.1 | Frequency / Temperature Characteristics | Max. +/-2.5 ppm / -30 to +75 °C (Based on frequency at +25 +/-2 °C) |
| 5.1.2 | Frequency / Voltage Coefficient | Max. +/-0.2 ppm / +2.4 V +/-0.1 V |
| 5.1.3 | Frequency / Load Coefficient | Max. +/-0.2 ppm / (10 kΩ // 10 pF) +/-10% |
| 5.1.4 | Frequency Tolerance at Control Voltage (V _{cont} = +1.2 V DC) | Max. +/-2.5 ppm (at +25 +/-2 °C, after two reflows, based on nominal frequency) |
| 5.1.5 | Long-term Frequency Stability | Max. +/-2.0 ppm / 5 years |

5.2 External Adjustment

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| 5.2.1 | Control Voltage (V _{cont}) | +1.2 V +/-1.0 V DC |
| 5.2.2 | Frequency control range based on frequency at V _{cont} = +1.2 V DC | +/-9.0 to +/-15.0 ppm |
| 5.2.3 | Frequency Change Polarity | Positive |
| 5.3 | Stabilization Time | Max. 4.0 ms (+/-0.1 ppm of final frequency final frequency is the frequency after 10 s from the point when supply voltage is reached at+2.4 V. Measurement is done while the control voltage is kept at its typical value at +25 +/-2 °C) |
| 5.4 | Symmetry | 40 to 60 % (Based on GND. The output signal after DC cut capacitor passage) |
| 5.5 | Harmonic Distortion | Max. -5 dBc |
| 5.6 | Phase Noise | Max. -130 dBc/Hz (@1 kHz offset) |

6 Dimension

(Unit: mm)

