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| 1 | NDK Part Number | NT2016SA-26.000000MHz-NBG2 |
| 2 | Chipset Maker | Please contact us |
| 3 | Application | GPS on mobile phone |
| 4 | Chipset Name | Please contact us |
| 5 | NDK Specification Number | NSA0345C |
| 6 | Type | NT2016SA |
| 7 | Rating | |
| 7.1 | Nominal Frequency (f_{nom}) | 26 MHz (2 digits marking) |
| 7.2 | Supply Voltage | +1.8 V +/-5 % DC (-Earth) |
| 7.3 | Current Consumption | Max. 1.5 mA |
| 7.4 | Output Voltage | Min. 0.8 V _{p-p} Clipped sine wave (DC-Coupling) |
| 7.5 | Operable Temperature Range | -30 to +85 °C |
| 7.6 | Storage Temperature Range | -40 to +85 °C |
| 7.7 | Load impedance | 10 kΩ // 10 pF |
| 7.8 | DC-cut Capacitor | DC-cut capacitor of output is not put in TCXO. Please add DC-cut capacitor (1000 pF) in output line. |
| 8 | Electrical specification | |
| 8.1 | Frequency Stability | |
| 8.1.1 | Frequency / Temperature characteristics | Max. +/-0.5 ppm / -30 to +85 °C (Based on frequency at +25 +/-2 °C) |
| 8.1.2 | Frequency temperature slope | Max. +/-0.1 ppm/°C / -30 to +85°C (Minimum of one measurement every 2 °C) |
| 8.1.3 | Frequency / Voltage coefficient | Max. +/-0.1 ppm / +1.8 V +/-5 % |
| 8.1.4 | Frequency / Load coefficient | Max. +/-0.2 ppm / (10 kΩ // 10 pF) +/-10% |
| 8.1.5 | Frequency tolerance | Max. +/-2.0 ppm (at +25 +/-2 °C, after 2times reflow soldering, based on nominal frequency) |
| 8.1.6 | Long-term Frequency Stability | Max. +/-1.0 ppm / year |
| 8.2 | Short-term frequency stability | Max. 1.0 ppb (Tau=0.1s) |
| 8.3 | Start-up time | Max. 2.0 ms (to 90% of output amplitude) |
| 8.4 | Stabilization Time | Max. 2.0 ms (Within +/-0.5ppm of final frequency) |
| 8.5 | Harmonic distortion | Max. -5.0 dBc |
| 8.6 | Symmetry | 40 to 60 % |
| 8.7 | Phase Noise | Max. -83 dBc/Hz (at 10 Hz offset) Max. -108 dBc/Hz (at 100 Hz offset) Max. -132 dBc/Hz (at 1k Hz offset) Max. -146 dBc/Hz (at 10k Hz offset) Max. -150 dBc/Hz (at 100k Hz offset) |

9 Dimension of external (Unit: mm)

