

Customer Code : _____

DATASHEET

DAPU P/N: **T79A-K419-10.00MHZ**

Customer P/N: _____

| DAPU | | | Customer Approval |
|------------------|---------|----------|------------------------|
| Drew | Audited | Approved | Stamp, please! Thanks! |
| | | | |
| Date: 2022.10.09 | | | |

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Table of amendment

| Version | Revision contents | Prepared by | Revised date |
|---------|-------------------|--------------|--------------|
| 1.0 | The first issued | <i>Amway</i> | 2022.10.09 |
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DAPU

Confidential



1. Electrical Parameters

| MODEL: T79A-K419-10.00MHz | | | | | | |
|---------------------------|---|------------|------|------|------------------|--|
| Item | Description | Parameters | | | Unit | Test Condition |
| | | Min. | Typ. | Max. | | |
| Output | Frequency | 10.00 | | | MHz | |
| | Output Waveform | Sine Wave | | | | |
| | Level | 3 | | | dBm | |
| | Harmonics Suppression | | -50 | -45 | dBc | |
| | Spurious Suppression | | | -70 | dBc | |
| | Load | 50 | | | Ω | |
| Frequency Stabilities | Frequency Tolerance vs. Operating Temperature Range | -1 | | +1 | $\times 10^{-6}$ | T_A varied from -40°C to 70°C , measurement referenced to frequency observed with $T_A=25^\circ\text{C}$, $V_{cc}=3.3\text{V}$, $O_{load}=50\Omega$, temperature variable speed less than 2°C per minute. |
| | Initial Frequency Tolerance | -1 | | +1 | $\times 10^{-6}$ | Measurement referenced to frequency observed with $T_A=25^\circ\text{C}$, $V_{cc}=3.3\text{V}$ within 30 days after ex-works. |
| | Frequency Tolerance vs. Supply Voltage | -0.1 | | +0.1 | $\times 10^{-6}$ | measurement referenced to frequency observed $T_A=25^\circ\text{C}$, V_{cc} varied from 3.13V to 3.47V, and $O_{Load}=50\Omega$. |
| | Frequency Tolerance vs. Load | -0.1 | | +0.1 | $\times 10^{-6}$ | 5% load change measurement referenced to frequency observed with $T_A=25^\circ\text{C}$, $V_{cc}=3.3\text{V}$, $O_{Load}=50\Omega$. |
| | Aging Tolerance Per Day | -5 | | +5 | $\times 10^{-9}$ | $T_A=25^\circ\text{C}$, $V_{cc}=3.3\text{V}$, and after 1h of operation. |
| | Aging Tolerance 1 Year | -0.5 | | +0.5 | $\times 10^{-6}$ | |
| Power Supply | Current Consumption | | | 10 | mA | @ 25°C , $V_{cc}=3.3\text{V}$, $O_{load}=50\Omega$. |
| | Supply Voltage | 3.13 | 3.3 | 3.47 | V | |
| Phase Noise | Phase Noise @ 25°C | | -95 | -90 | dBc/Hz | 10Hz |
| | | | -125 | -120 | | 100Hz |
| | | | -145 | -140 | | 1KHz |
| | | | -155 | -150 | | 10KHz |
| | | | -155 | -150 | | 100KHz |
| | | | -155 | -150 | | 1MHz |

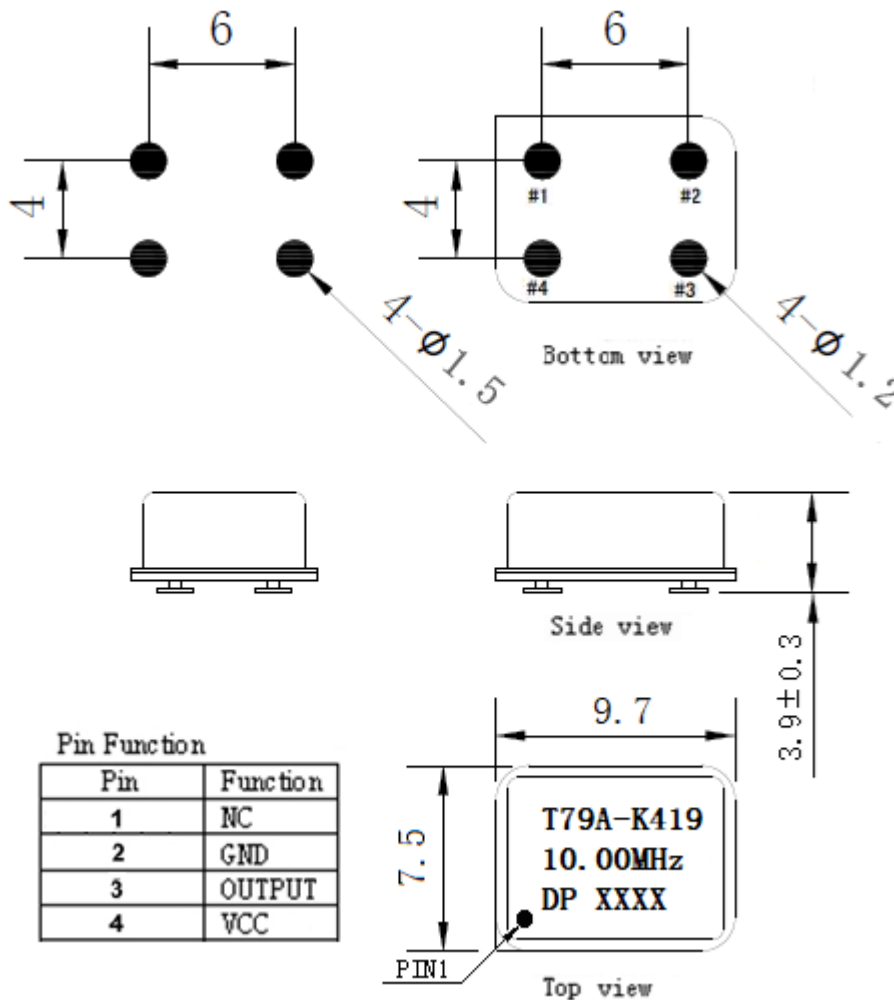


| | | | | | | |
|--------------------------|--|--|--|------|----|--|
| Environmental Conditions | Operable Temperature | -40 | | +70 | °C | |
| | Storage Temperature | -55 | | +105 | °C | |
| | ESD Level | Human Body Model, class2: 2000V to 4000V; ANSI/ESDA/JEDEC JS-001-2010. | | | | |
| | | Machine Model, class B: 200V to 400V; JEDEC JESD22-A115C. | | | | |
| | Moisture Sensitivity Level | Level 1. | | | | |
| | Water Vapor Content | 1000ppm | | | | |
| | Vibration | Test Condition: 0.75mm ;acceleration:10g;10Hz~2000Hz, one cycle per 30 min, test 2 hour. (3 times for each 3 directions X , Y , Z) .IEC 68-2-06 Test Fc. | | | | |
| Shock | 100g; 6ms; half sine wave (3 times for each 3 directions X , Y , Z),IEC 68-2-27 Test Ea/Severity 50A. | | | | | |
| Full Package Storage | Relative humidity (%) | 20% ~70% | | | | |
| | Temperature (°C) | -10~35°C | | | | |





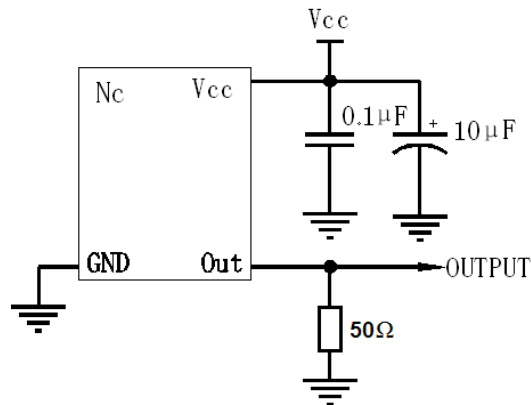
2. Mechanical Structure(mm)



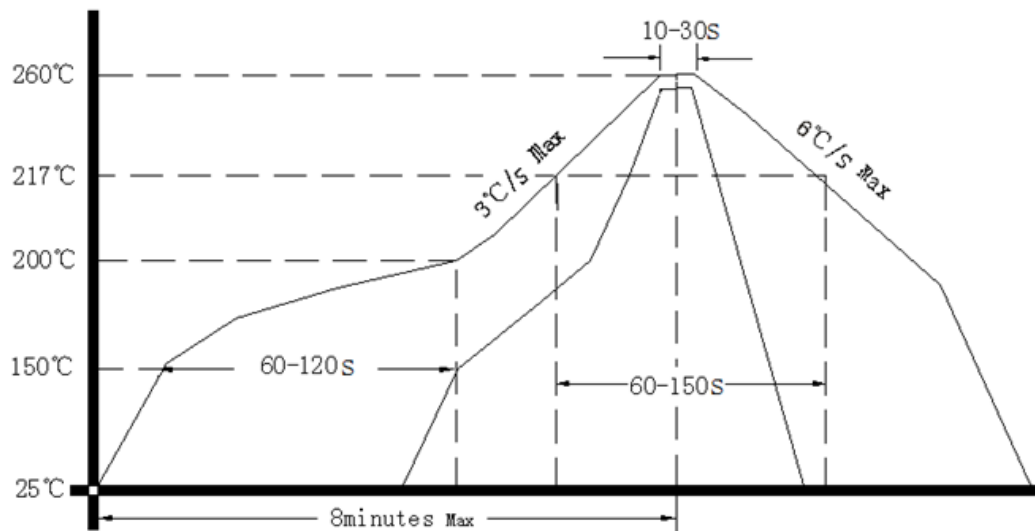
- Note1:** Tolerance \pm 0.30mm without mark
- Note2:** The first two xx representative: week
After two xx representative: year
- Note3:** Referential Weight 0.7g
- Note4:** NC is not connect



3. Test circuit



4. Reflow Soldering Curve (RoHS)



5. Package: Tape & Reel (mm)

