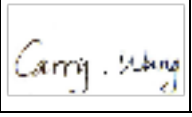
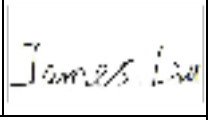
Customer Code : _____

# DATASHEET

DAPU P/N : **T32-S519-26.00MHz-A**

Customer P/N: _____

| DAPU | | | Customer Approval |
|---|---|---|---|
| Drew | Audited | Approved | |
|  |  |  | |
| Date: 2017.08.23 | | | Stamp, please! Thanks! |


## Guangdong Dapu Telecom Technology Co.,Ltd

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# Table of amendment

| Version | Revision contents | Prepared by | Revised date |
|---|---|---|---|
| 1.0 | The first issued | Amway | 2017.08.23 |
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# 1. Electrical Parameters

| MODEL： T32-S519-26.00MHz-A | | | | | | |
|---|---|---|---|---|---|---|
| Item | Description | Parameters | | | Unit | Test Condition |
| | | Min. | Typ. | Max. | | |
| Output | Frequency | 26.00 | | | MHz | |
| | Output Waveform | Clipped Sine Wave | | | | |
| | Vp-p | 0.8 | | | V | |
| | Load | 10KΩ//10pF | | | | |
| Frequency Stabilities | Frequency Tolerance vs. Operating Temperature Range | -2.5 | | +2.5 | $\times 10^{-6}$ | $T_A$ varied from-40 to 85℃, measurement referenced to frequency observed with $T_A$=25℃, $V_{cc}$=3.3V, $O_{load}$=10KΩ//10pF, temperature variable speed less than 2℃ per minute. |
| | | -0.5 | | +0.5 | $\times 10^{-6}$ | $T_A$ varied from-30 to 85℃, measurement referenced to frequency observed with $T_A$=25℃, $V_{cc}$=3.3V, $O_{load}$=10KΩ//10pF, temperature variable speed less than 2℃ per minute. |
| | Initial Frequency Tolerance | -2.0 | | +2.0 | $\times 10^{-6}$ | Measurement referenced to frequency observed with $T_A$=25℃, $V_{cc}$=3.3V, within 30 days after ex-works. |
| | Slope | | | 0.1 | $\times 10^{-6}$/℃ | -30℃~85℃ |
| | | | | 0.5 | $\times 10^{-6}$/℃ | -40℃~-30℃ |
| | Static Temperature Hysteresis | -0.6 | | +0.6 | $\times 10^{-6}$ | |
| | G-Sensitivity | | | 1.5 | $\times 10^{-9}$/g | |
| | Frequency Tolerance vs. Supply Voltage | -0.1 | | +0.1 | $\times 10^{-6}$ | measurement referenced to frequency observed $T_A$=25℃, $V_{cc}$ varied from 3.13V to 3.47V, and $O_{Load}$=10KΩ//10pF. |
| | Frequency Tolerance vs. Load | -0.2 | | +0.2 | $\times 10^{-6}$ | 5% load change measurement referenced to frequency observed with $T_A$=25℃, $V_{cc}$=3.3V, $O_{Load}$=10KΩ//10pF. |
| | Aging Tolerance 1 Year | -1.0 | | +1.0 | $\times 10^{-6}$ | $T_A$=25℃, $V_{cc}$=3.3V, and after 1h of operation. |
| | Aging Tolerance 2 Year | -2.0 | | +2.0 | $\times 10^{-6}$ | |
| | Aging Tolerance 10Year | -4.0 | | +4.0 | $\times 10^{-6}$ | |

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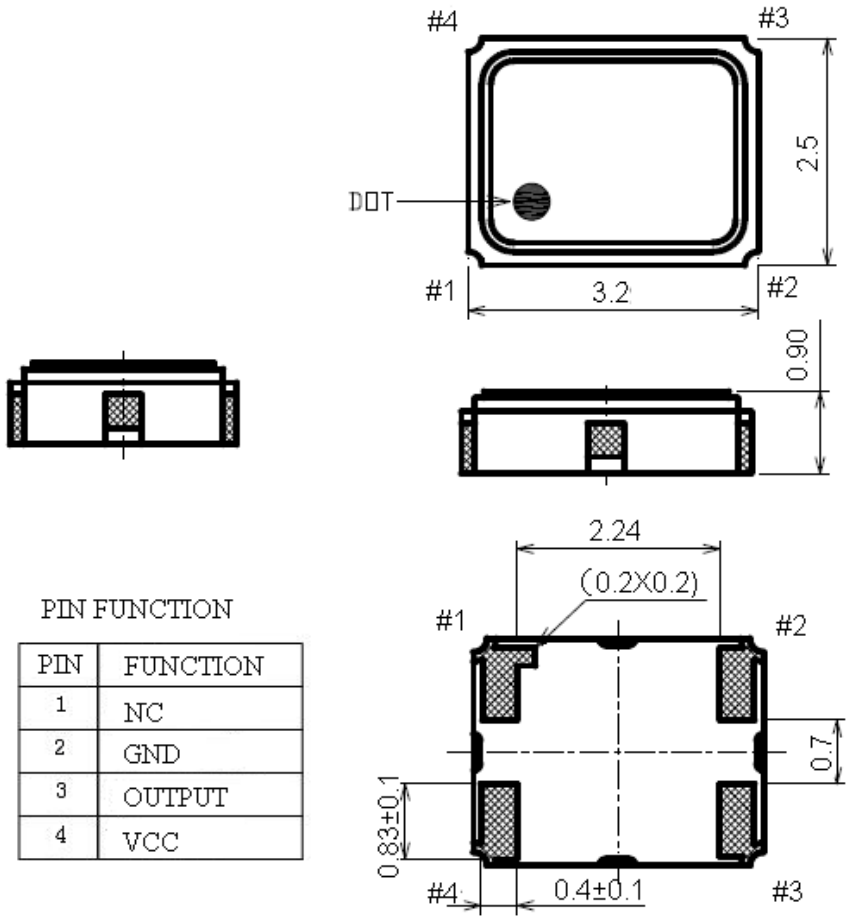
| | | | | | | |
|---|---|---|---|---|---|---|
| Power Supply | Current Consumption | | | 1.5 | mA | @25℃, $V_{cc}$=3.3V, $O_{load}$=10KΩ//10pF. |
| | Supply Voltage | 3.13 | 3.3 | 3.47 | V | |
| Phase Noise | Phase Noise | | -130 | -125 | dBc/Hz | 1KHz |
| Environmental Conditions | Operable Temperature | -40 | | +85 | ℃ | |
| | Storage Temperature | -55 | | +105 | ℃ | |
| | ESD Level | Human Body Model, class2: 2000V to 4000V; ANSI/ESDA/JEDEC JS-001-2010. | | | | |
| | | Machine Model, class B: 200V to 400V; ANSI/ESDA/JEDEC JS-001-2010. | | | | |
| | Moisture Sensitivity Level | Level 2. | | | | |
| | 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 (℃) | -10~35℃ | | | | |

## 2. Mechanical Structure(mm)

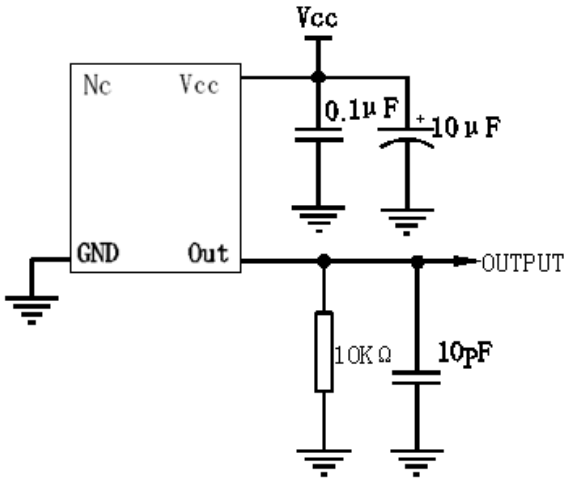



PIN FUNCTION

| PIN | FUNCTION |
|---|---|
| 1 | NC |
| 2 | GND |
| 3 | OUTPUT |
| 4 | VCC |

**Note1:** Tolerance ±0.1mm without mark
**Note2:** Referential weight 0.02g

## 3. Test circuit



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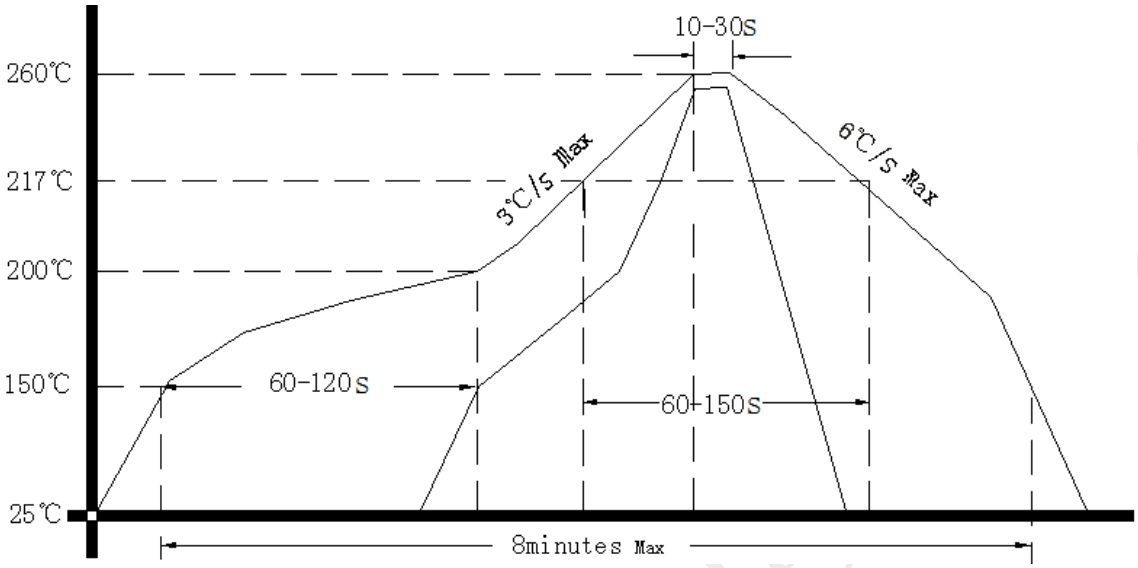
## 4. Reflow Soldering Curve (RoHS)




**Note:** If soldering with a hot air gun, ensure the temperature ＜320℃， soldering time ＜15 seconds.

## 5. Package: Tape & Reel (mm)