

Travelling Merchant: _____

DATASHEET

Standard: **O23B-F326-10.00MHZ**

| Plot | | | The Label |
|-------------|---------|----------|------------------------|
| Drew | Audited | Approved | Stamp, please! Thanks! |
| | | | |
| Date: _____ | | | |

Guangdong Dapu Telecom Technology Co.,Ltd

Bldg13,.N.Ind.Zone,SSL Industry Park, Dongguan City, Guangdong Province, China

TEL: 0086-0769-88010888 FAX: 0086-0769-81800098



1、Electrical Parameters

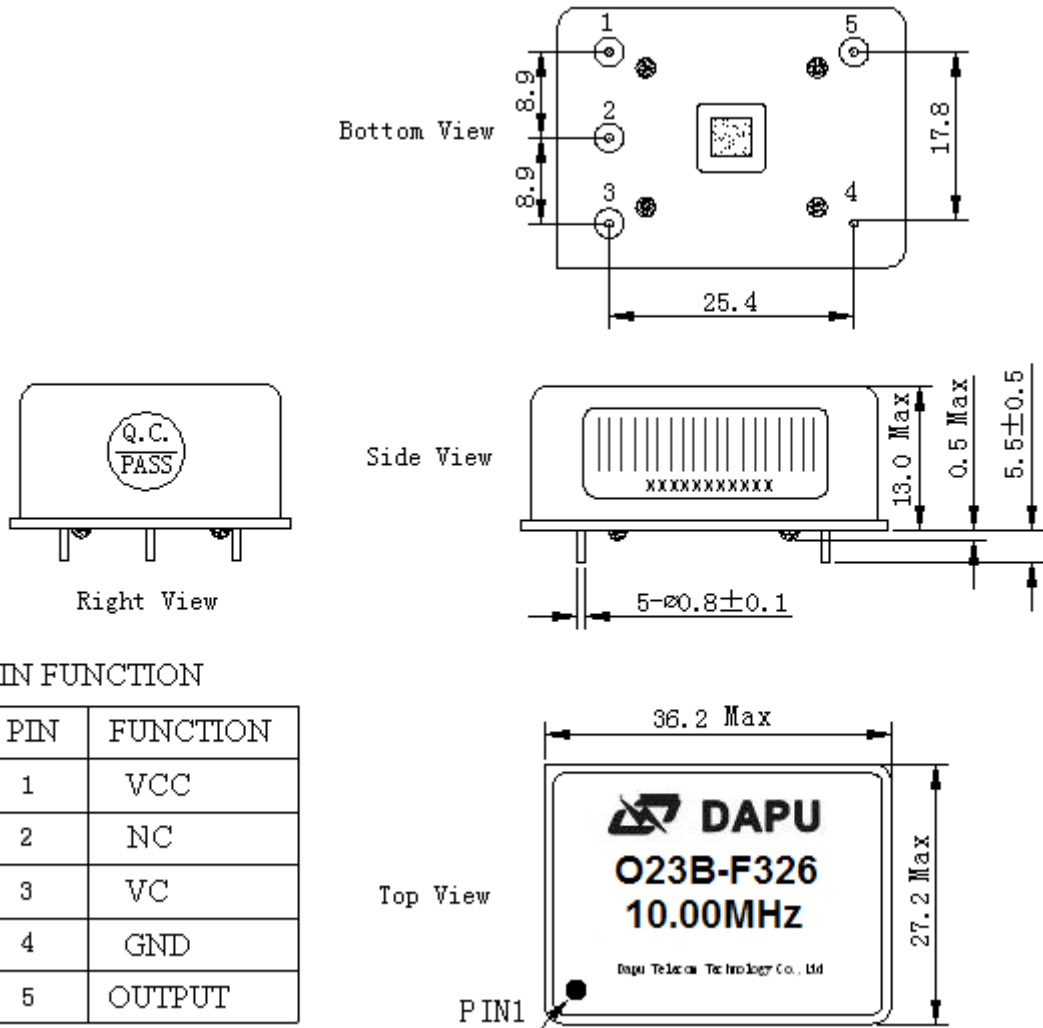
| MODEL: O23B-F326-10.00MHz | | | | | | |
|---------------------------|---|------------|------|-------|------|--|
| Item | Description | Parameters | | | Unit | Test Condition |
| | | Min. | Typ. | Max. | | |
| Output | Frequency | 10.00 | | | MHz | |
| | Output Waveform | HCMOS | | | | |
| | Output Low Voltage | | | +0.5 | V | V _{cc} =5.0V, O _{load} =15pF |
| | Output High Voltage | +4.0 | | | V | V _{cc} =5.0V, O _{load} =15pF |
| | Duty Cycle | 45 | 50 | 55 | % | @50% |
| | Rise / Fall Time | | | 6 | ns | 10%~90% |
| | Harmonics | | | -30 | dBc | |
| | Load | 15 | | | pF | |
| Frequency Stabilities | Frequency Tolerance vs. Operating Temperature Range | -0.5 | | +0.5 | ppb | T _A varied from -20°C to 70°C, measurement referenced to frequency observed with T _A = 25°C, V _{cc} =5.0V, V _C =2.5V, O _{load} =15pF temperature rise speed less than 2°C per minute. |
| | Initial Frequency Tolerance | -0.1 | | +0.1 | ppm | After warm up 15 minute, Measurement referenced to frequency observed with T _A = 25°C, V _{cc} =5.0V, V _C =2.5V, and after 1 hour of operation. |
| | Frequency Tolerance vs. Supply Voltage | -0.5 | | +0.5 | ppb | measurement referenced to frequency observed T _A =25°C, V _{cc} varied from 4.75V to 5.25V, V _C =2.5V and O _{Load} =15pF. |
| | Frequency Tolerance vs. Load | -0.5 | | +0.5 | ppb | 5% load change measurement referenced to frequency observed with T _A = 25°C, V _{cc} =5.0V, V _C =2.5V and O _{Load} =15pF. |
| | Short-Term Stability: Allan Variance | | | 0.005 | ppb | Temperature stability, no EMI\EMC or other interference, test after power for 1hour ref. to 25°C; 1s, using PN9000 equipment. |
| | Aging Tolerance Per Day | -0.5 | | +0.5 | ppb | V _{cc} , V _C , T _A constant measurement referenced to frequency observed with T _A = 25°C, V _{cc} = 5.0V, V _C =2.5V, and after 30 days of operation. |
| | Aging Tolerance 1 Year | -0.03 | | +0.03 | ppm | |
| Power Supply | Supply Voltage | 4.75 | 5 | 5.25 | V | |
| | Steady Consumption | | | 400 | mA | @25°C |
| | Warm up current | | | 1000 | mA | |



| | | | | | | |
|---------------------------------|------------------------|---|------|------|--------|---|
| Voltage Control Characteristics | Frequency Tuning Range | | | -0.4 | ppm | $V_C=0\text{ V}$. measurement referenced to $V_C=2.5\text{V}$ |
| | | -0.1 | | +0.1 | ppm | $V_C=2.5\text{V}$. measurement referenced to exactly 10.00MHz |
| | | +0.4 | | | ppm | $V_C=5.0\text{V}$. measurement referenced to $V_C=2.5\text{V}$ |
| | Linearity | | | 10 | % | |
| | Slope | Positive | | | | |
| | Input Impedance | 100 | | | | K Ohm |
| Phase Noise | Phase Noise | | -95 | | dBc/Hz | 1Hz |
| | | | -125 | | | 10Hz |
| | | | -145 | | | 100Hz |
| | | | -150 | | | 1KHz |
| | | | -155 | | | 10KHz |
| Environmental Conditions | Operable Temperature | -20 | | +70 | °C | |
| | Storage Temperature | -40 | | +85 | °C | |
| | Vibration | Test Condition: 0.75mm ;acceleration:10g;10Hz~500Hz, one cycle per 30 min, test 2 hour. (3 times for each 3 directions X , Y , Z), IEC 68-2-06 Test Fc. | | | | |
| | Shock | 50g; 11ms; half sine wave (3 times for each 3 directions X , Y, Z),IEC 68-2-27 Test Ea/Severity 50A. | | | | |



2、Mechanical Structure(mm)

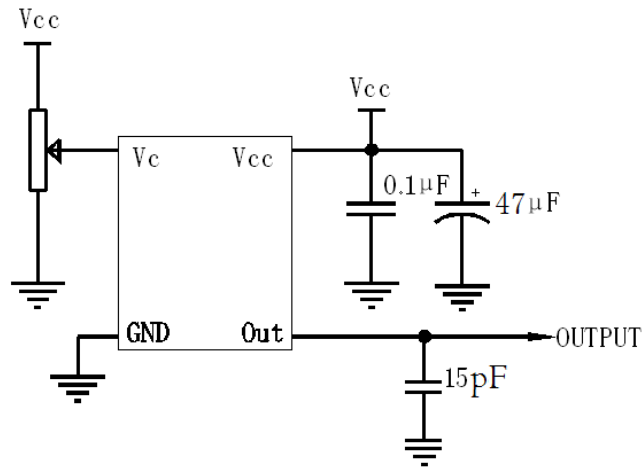


*Tolerance ±0.2mm without mark

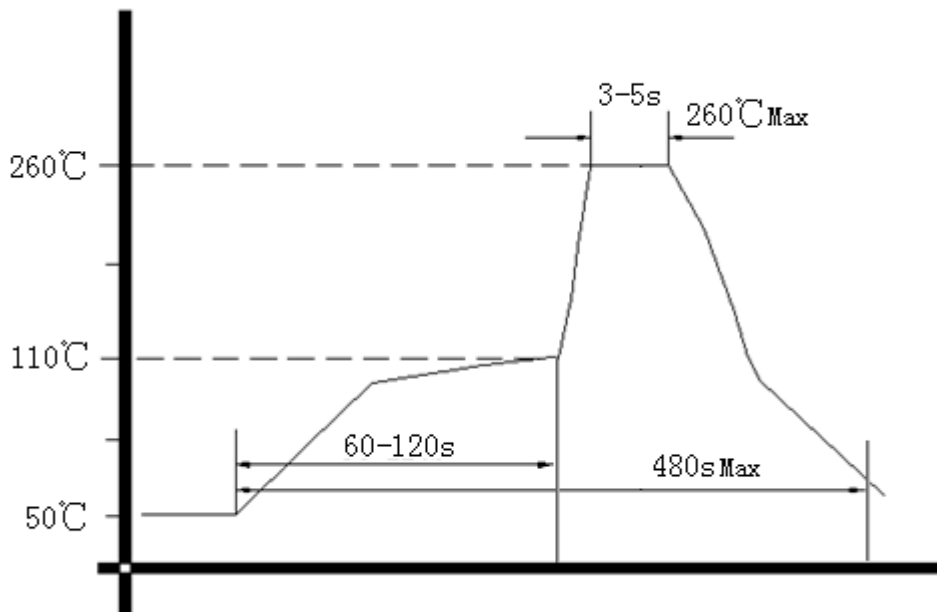
Note1: Referential Weight 21.0g



3、 Test Circuit



4、 Wave Soldering Curve (RoHS)



5、 Package: PVC Tube,5pcs (mm)

