

Customer Code: _____

DATASHEET

DAPU P/N: T2016G-B5A9-26.00MHz-N

| DAPU | | | Customer Approval |
|-----------------|----------------|-----------------|------------------------|
| Drew | Audited | Approved | |
| Jieshu ZHENG | Jianhua LIN | Gangtao FENG | |
| Date: | 2023/12/14 | | |
| | | | Stamp, please! Thanks! |

Guangdong Dapu Telecom Technology Co.,Ltd

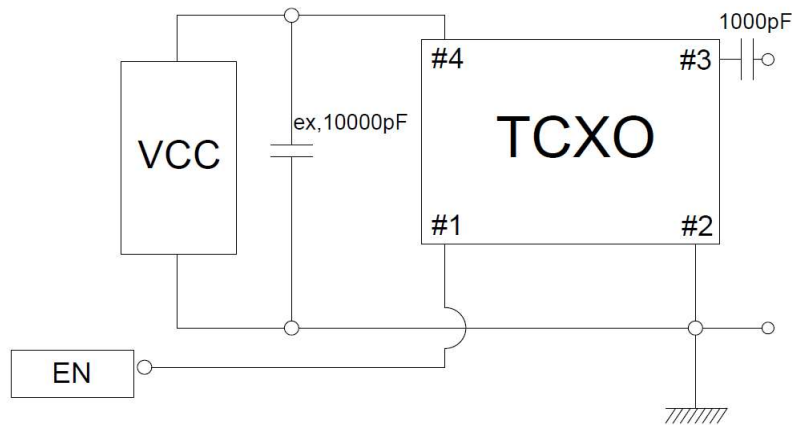
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1、Electrical Parameter

| MODEL : | | T2016G-B5A9-26.00MHz-N | | | | |
|-----------------------|------------------------|------------------------|------|------|------------------|---|
| No. | Description | Parameters | | | Units | Test Condition |
| | | Min. | Typ. | Max. | | |
| Output | Frequency | 26 | | | MHz | |
| | Output Waveform | Clipped Sine Wave | | | | |
| | Vp-p | 0.8 | | | V | |
| | Spurious Suppression | | | -8 | dBc | |
| | Load | 10KΩ//10pF | | | | |
| Frequency Stabilities | Frequency Tolerance | -2 | | 2 | $\times 10^{-6}$ | @25±2°C, 2H, after 2 times reflow soldering, base on nominal frequency. |
| | vs. Temperature | -0.5 | | 0.5 | $\times 10^{-6}$ | -30°C to 85°C |
| | | -2.5 | | 2.5 | $\times 10^{-6}$ | -40°C to -30°C |
| | vs. Supply Voltage | -0.1 | | 0.1 | $\times 10^{-6}$ | measurement referenced to frequency observed T _A =25°C, V _{cc} =3.3±5%, and O _{Load} =10KΩ//10 pF. |
| | vs. Load | -0.2 | | 0.2 | $\times 10^{-6}$ | 10% load change measurement referenced to frequency observed with T _A =25°C, V _{cc} =3.3V, and O _{Load} =10KΩ//10pF. |
| | Aging Tolerance 1 Year | -1 | | 1 | $\times 10^{-6}$ | T _A =25°C, V _{cc} =3.3V, and after 1h of operation. |
| | Frequency Slope | - | | - | ppm/°C | T _A varied from -40°C to 85°C |
| Power Supply | Current consumption | | | 4 | mA | @25°C, V _{cc} =3.3V, O _{Load} =10KΩ//10pF. |
| | Start up Time | | | 2 | ms | More than 90% of final output voltage |
| | Supply Voltage | 1.8 | 3 | 3.3 | V | |
| SSB Phase Noise | Phase Noise@25±2°C | | | -83 | dBc/Hz | 10Hz |
| | | | | -108 | | 100Hz |
| | | | | -132 | | 1KHz |
| | | | | -146 | | 10KHz |
| | | | | -150 | | 100KHz |
| | | | | - | | 1MHz |

| | | | | | | |
|--------------------------|--|--|--|--------|----|---------|
| Enable/Disable Function | High Input Voltage | 0.8Vcc | | Vcc | V | Enable |
| | Low Input Voltage | 0 | | 0.2Vcc | V | Disable |
| Environmental Conditions | Operable Temperature | -40 | | 85 | °C | |
| | Storage Temperature | -40 | | 85 | °C | |
| | ESD Level | Human Body Model, class 2: 2000V; ANSI/ESDA/JEDEC JS 001 2010. | | | | |
| | | Machine Model, class B: 200V; JEDEC JESD22-A115C. | | | | |
| | Moisture Sensitivity Level | Level 1. | | | | |
| | 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 direction s X ,Y, Z), IEC 68-2-27 Test Ea/Severity 50A. | | | | | |
| Full Package Storage | Relative humidity (%) | 20%~70% | | | | |
| | Load | 10KΩ//10pF | | | | |

2 Test Circuit

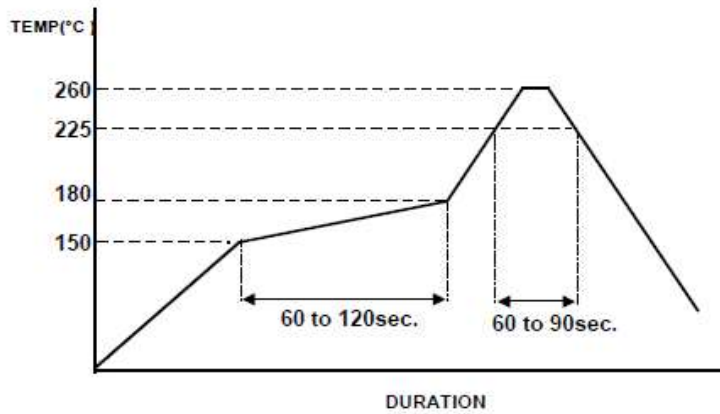


| Terminal land connections | |
|---------------------------|--------|
| #1 | EN |
| #2 | GND |
| #3 | OUTPUT |
| #4 | Vcc |

3. Reflow Soldering Curve (RoHS)

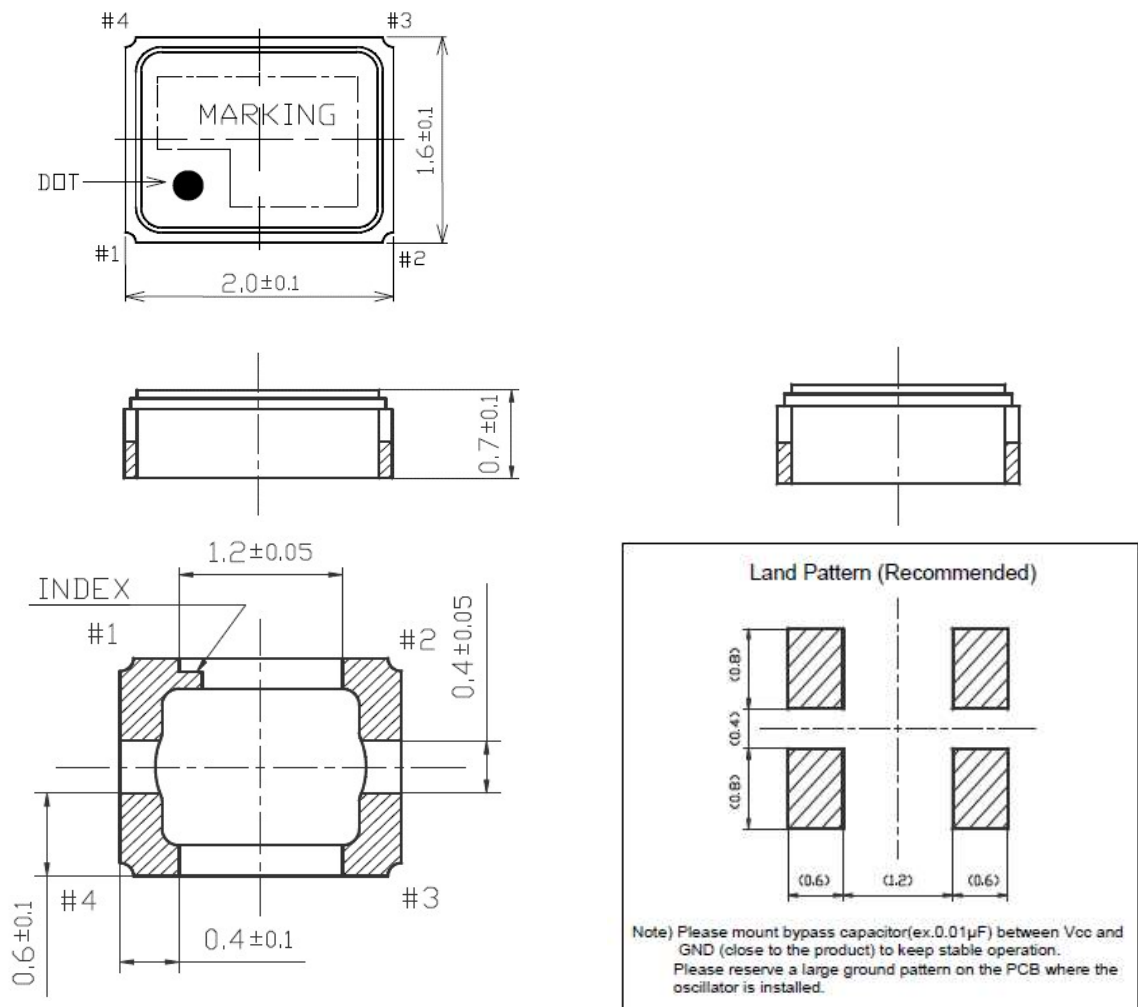
Condition of temperature profile(Refer to Fig.1)

Soldering peak temp.+260°C

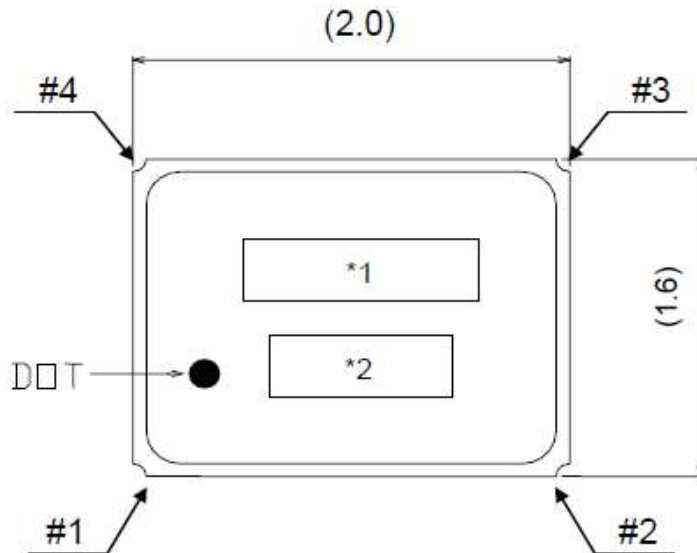


(Fig.1)

4. Mechanical Structure



5、 Marking



Terminal land connections: Please refer to "Dimension of External

(Marking Contents)

*1 Nominal frequency

*2 Lot No.



Year Code (Last 2 digits)

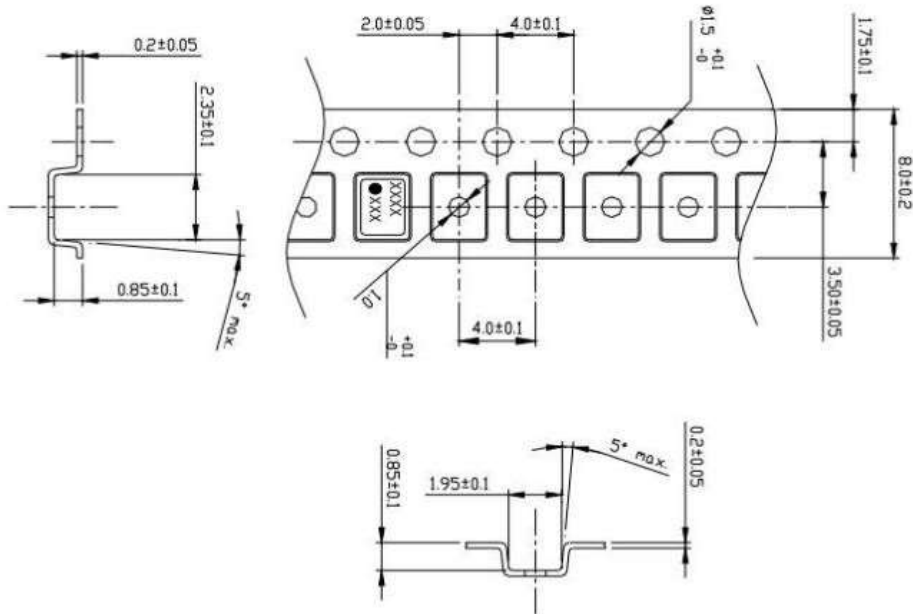
Week

/This number shows where the week stands in the year.

However, the first week of a year with no Thursday is not contained one week.

Marking Method : Laser Trimming

6、 Packing Information

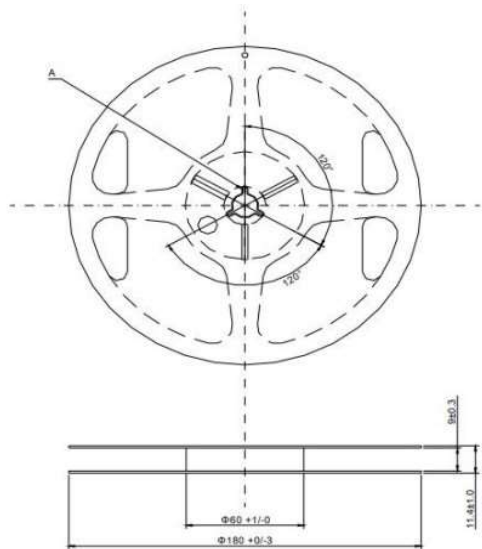


1. Clearance of an embossing tape, and a product unit: mm

| Direction | Pocket size | TCXO size | Clearance |
|-----------|-------------|-----------|-----------|
| L | 2.35±0.10 | 2.00±0.15 | 0.35±0.25 |
| W | 1.95±0.10 | 1.60±0.15 | 0.35±0.25 |
| H | 0.85±0.05 | 0.70±0.10 | 0.15±0.15 |

2. Quality : Polystyrene (Conductivity)

3. Tensile strength of an embossing tape : more than 14N



Material: Polystyrene (Conductivity)
unit:mm

Section A

