

Customer Code: _____

DATASHEET

DAPU P/N: DPX328M0000012AA01

| DAPU | | | Customer Approval |
|-----------------|----------------|-----------------|--------------------------|
| Drew | Audited | Approved | |
| Jieshu ZHENG | Jianhua LIN | Gangtao FENG | |
| Date: 2024/2/28 | | | |

Stamp, please! Thanks!

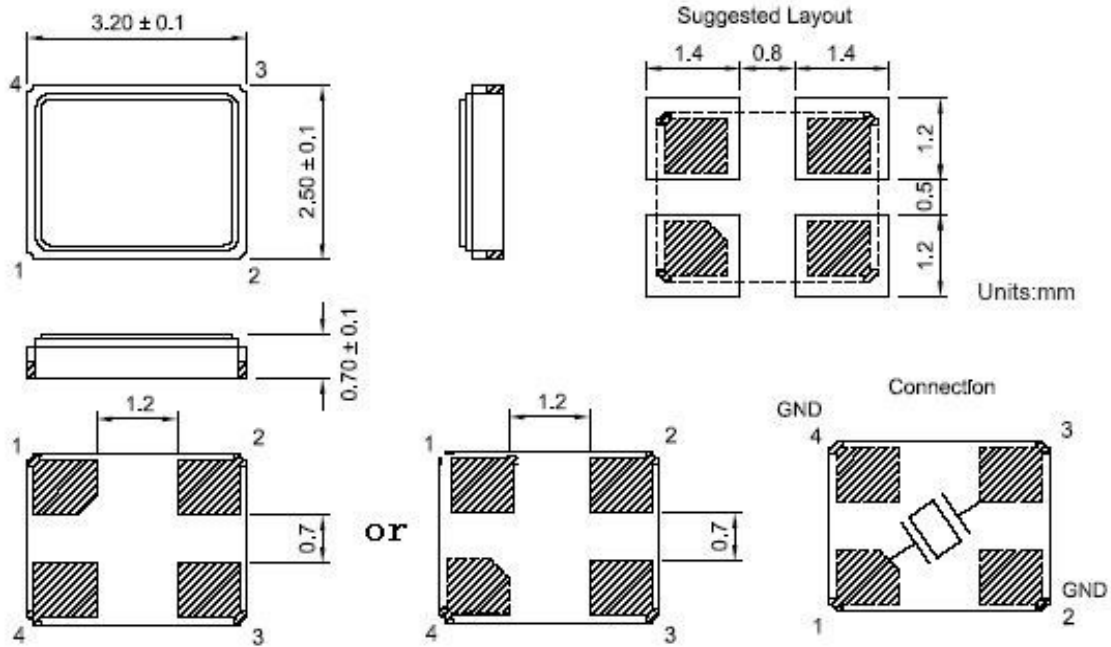
Guangdong Dapu Telecom Technology Co.,Ltd

Bldg 5, SSL Modern Enterprise Accelerator Zone, Dongguan City, Guangdong Province, PRC China
TEL: 0086-0769-88010888 FAX: 0086-0769-81800098

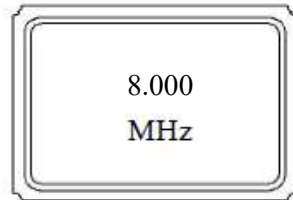
1、Electrical Parameter

| MODEL : | | DPX328M0000012AA01 | | | | | |
|-----------------------|------------------------------|--------------------|------------------|------|------|------------------|--|
| For Automotive | | | | | | | |
| No. | Parameters | SYM. | Electrical Spec. | | | | Notes |
| | | | Min. | Typ. | Max. | Units | |
| 1 | Specification | - | 3225 | | | - | |
| 2 | Nominal Frequency | FL | 8.000 | | | MHz | |
| 3 | Oscillation Mode | - | Fundamental | | | - | |
| 4 | Load Capacitance | CL | 12 | | | pF | |
| 5 | Frequency Tolerance | - | -10 | | 10 | $\times 10^{-6}$ | At 25°C |
| 6 | Frequency Stability | - | -50 | | 50 | $\times 10^{-6}$ | Over Operating Temperature Range (Reference 25 °C) |
| 7 | Operating Temperature | Topr | -40 | | 125 | °C | |
| 8 | Storage Temperature | Tstg | -40 | | 125 | °C | |
| 9 | Drive Level | DL | - | 100 | - | μ W | |
| 10 | Equivalent Series Resistance | ESR | | | 250 | Ω | |
| 11 | Shunt Capacitance | C0 | | | 3 | pF | |
| 12 | Insulation Resistance | IR | 500 | | | M Ω | At DC 100V |
| 13 | Aging | - | -3 | | 3 | $\times 10^{-6}$ | First year at 25°C |
| 14 | Standard | | AEC-Q200 | | | | |

2、 Mechanical Structure

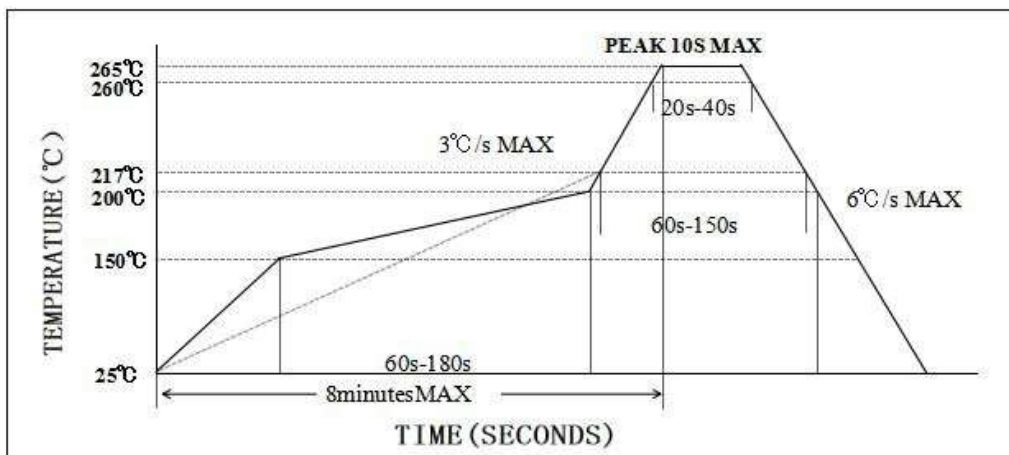


3、 Marking

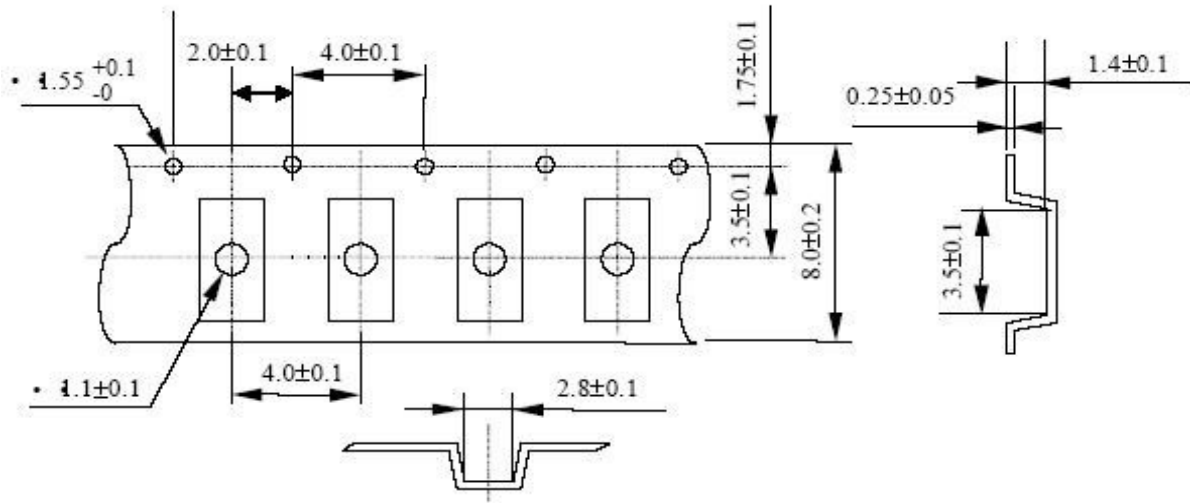


8.000 ----- 标称频率

4、 Reflow Soldering Curve (RoHS)



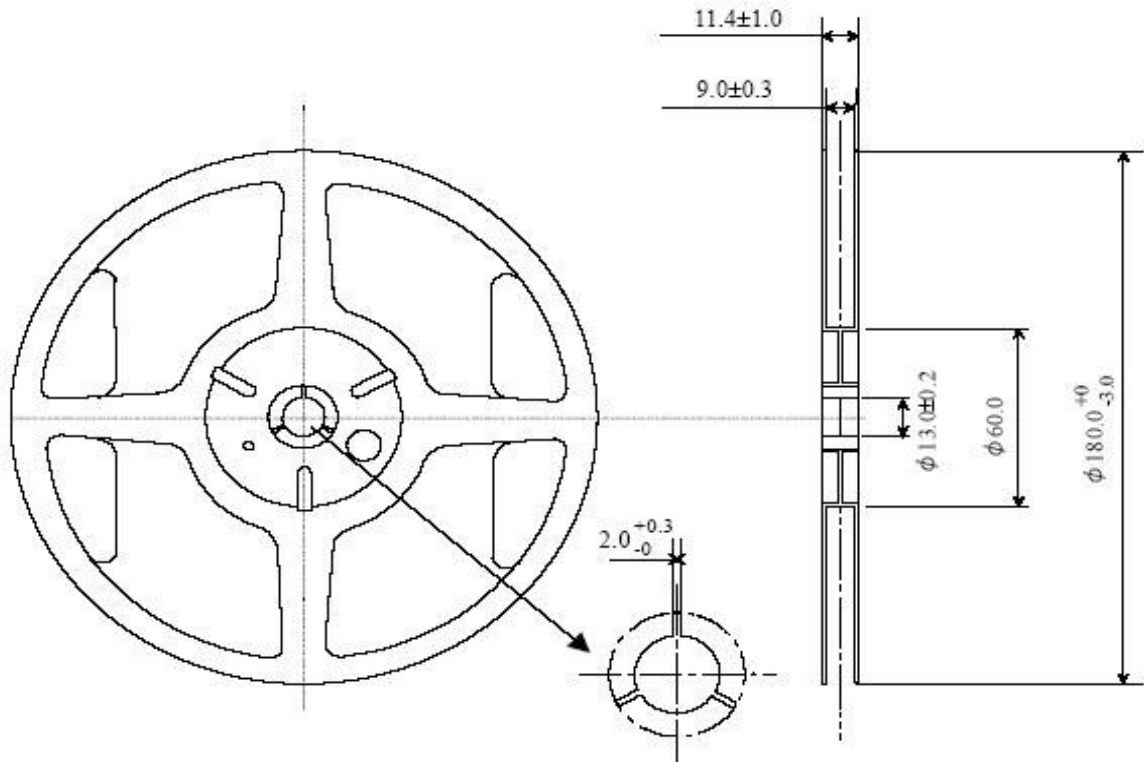
5、 Package: Tape & Reel (mm)



[Size in mm]

8.3. Reel dimension & Outline drawing

Material of the Reel PS



6、RELIABILITY SPECIFICATIONS

| NO. | Test Items | Test Condition | Reference |
|-----|---|--|--|
| 1 | High Temperature High Humidity Storage | Temperature: 85°C±3°C Relative Humidity:80~85%RH Time: 1000 Hours | JIS C5023 |
| 2 | High Temperature Storage | Temperature: 125°C±2°C Time: 1000 Hours | MIL-STD-883 Method 1005.8 |
| 3 | Low Temperature Storage | Temperature: -40°C±2°C Time: 1000Hours | MIL-STD-883 Method 1013 |
| 4 | Thermal Shock | Temperature1:-55°C±5°C Temperature2:125°C±5 °C Temperature change between T1 and T2 5 min 300cycles maintain T1 and T2 for 30 minutes each mone cycle | MIL-STD-202 Method 107 Condition A |
| 5 | Resistance To Solder Heat | Solder Temperature: 230°C±5°C Time: 10±1 Seconds | MIL-STD-202 Method 210 |
| 6 | Solderability | The solder pot temperature is 235±5°C ,dwell time 10~30sec | J-STD-002 |
| 7 | Drop Test | 10 Times Free Fall from 120cm height table to 3cm thickness hard wood board | JIS C6701 |
| 8 | Mechanical Shock | Half sine wave,1000 G 6 Times for all 6 directions | MIL-STD-202 Method 213 |
| 9 | Vibration | Frequency Range: 10Hz~2000Hz Amplitude: 1.52mm Sweep time: 20 minutes Test time: 4 hours/Direction, Direction: X, Y, Z. | MIL-STD-202 Method 204 |
| 10 | Leakage Test | Take measurements with a helium Leakage detector Rate≤1×10 ⁻³ Pa cm ³ /s | MIL-STD-883 |