

**Customer Code:** \_\_\_\_\_

# DATASHEET

**DAPU P/N: DPF3250M0000EM0ZEA0**

| <b>DAPU</b>     |                |                 | <b>Customer Approval</b> |
|-----------------|----------------|-----------------|--------------------------|
| Drew            | Audited        | Approved        | Stamp, please! Thanks!   |
| Jieshu<br>ZHENG | Jianhua<br>LIN | Gangtao<br>FENG |                          |
| Date:           | 2024/11/5      |                 |                          |

## 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

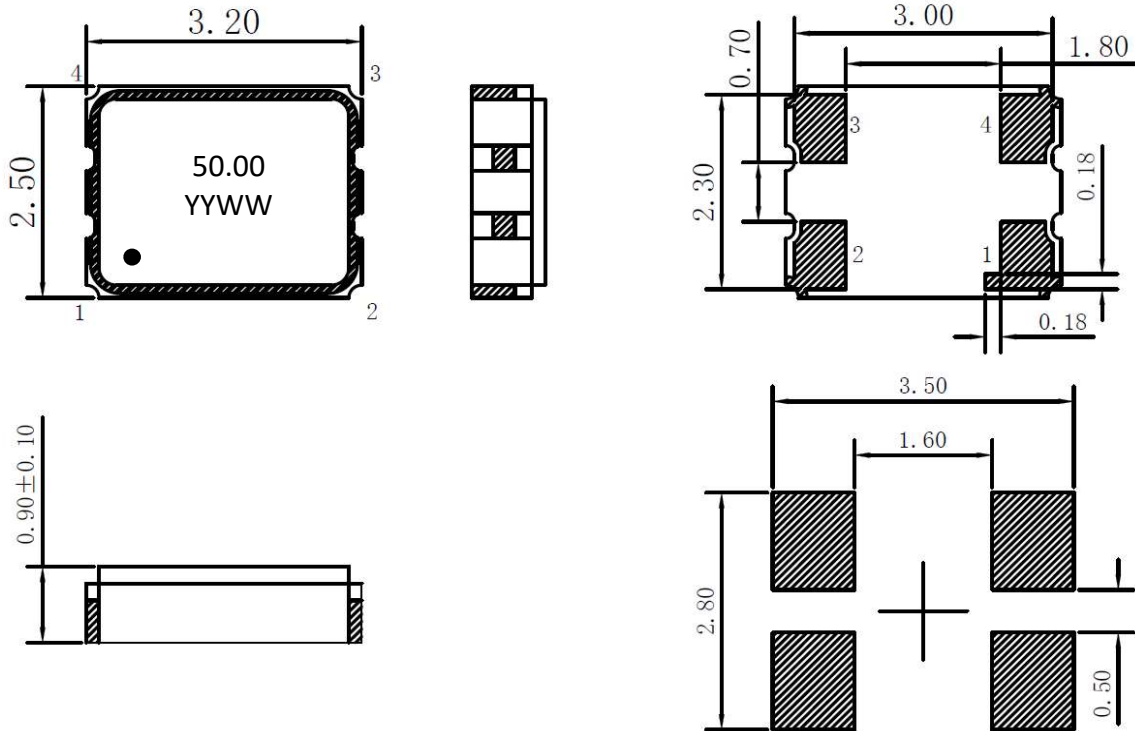


## 1. Electrical Parameter

| MODEL: |                          | DPF3250M0000EM0ZEA0 |                  |      |      |                 |   |
|--------|--------------------------|---------------------|------------------|------|------|-----------------|---|
| No.    | Parameters               | SYM.                | Electrical Spec. |      |      |                 | Notes   |
|        |                          |                     | Min.             | Typ. | Max. | Units           |   |
| 1      | Nominal Frequency        | FL                  | 50.000           |      |      | MHz             |   |
| 2      | Oscillation Mode         | -                   | Fundamental      |      |      | -               |   |
| 3      | Frequency Tolerance      | -                   | -2               |      | 2    | ppm             | At 25°C   |
| 4      | Frequency Stability      | -                   | -5               |      | 5    | ppm             | Over Operating Temperature Range, measurement referenced to frequency observed with $f_{ref}=(f_{max}+f_{min})/2$ . |
| 5      | Operating Temperature    | Topr                | -40              |      | 85   | °C              |   |
| 6      | Storage Temperature      | Tstg                | -55              |      | 125  | °C              |   |
| 7      | Supply Voltage           | V <sub>DD</sub>     | 1.71             | 3.3  | 3.63 | V               |   |
| 8      | Current consumption      | I <sub>cc</sub>     |                  |      | 8    | mA              |   |
| 9      | Output waveform          | -                   | CMOS             |      |      |                 |   |
| 10     | Output Load              | CL                  |                  | 15   |      |                 |   |
| 11     | Output Voltage High      | V <sub>OH</sub>     | 0.9              |      |      | V <sub>DD</sub> |   |
| 12     | Output Voltage Low       | V <sub>OL</sub>     |                  |      | 0.1  | V <sub>DD</sub> |   |
| 13     | Rise Time                | T <sub>r</sub>      |                  |      | 5    | ns              | 10% -90% V <sub>DD</sub> Level  |
| 14     | Fall Time                | T <sub>f</sub>      |                  |      | 5    | ns              | 90% -10% V <sub>DD</sub> Level  |
| 15     | Aging                    | -                   | -1               |      | 1    | ppm             | First Year at 25°C  |
| 16     | Tri-State Output Enable  | -                   | 0.7              |      |      | V <sub>DD</sub> | Pin 1, OE   |
| 17     | Tri-State Output Disable | -                   |                  |      | 0.3  | V <sub>DD</sub> | Pin 1, OE   |
| 18     | Duty Cycle               | -                   | 45~55            |      |      | %               |   |
| 19     | Start-Up Time            | T <sub>start</sub>  |                  |      | 3    | ms              | Measured from the time V <sub>DD</sub> reaches its rated minimum value  |
| 20     | Standard                 | -                   | -                |      |      | -               |   |

## 2. Mechanical Structure

### 2.1 Dimensions

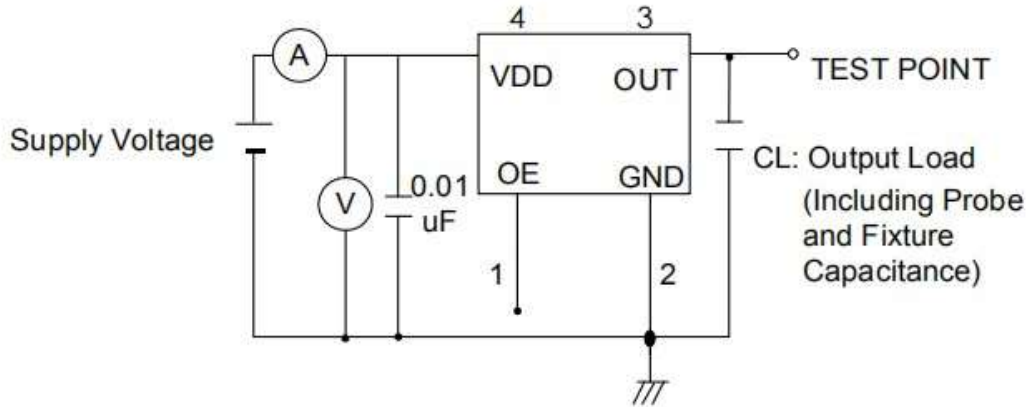


| PIN NAME | CONNECTION |
|----------|------------|
| PIN1     | OE         |
| PIN2     | GND        |
| PIN3     | OUTPUT     |
| PIN4     | VCC        |

### 2.2 Marking Information

|        |                    |
|--------|--------------------|
| 50.00: | Frequency 50.00MHz |
| YY:    | Year               |
| WW:    | Week               |
| ● :    | Pin1 Index         |

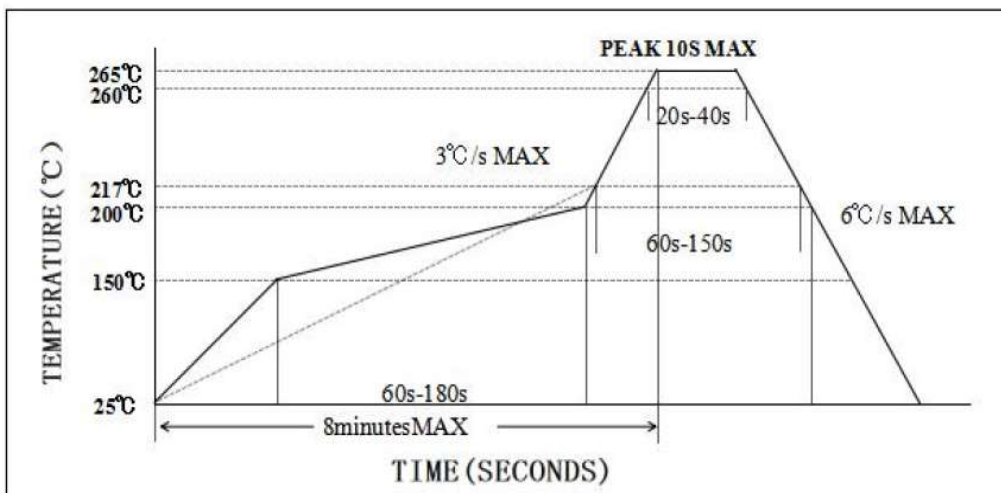
### 3. Test Circuit



Control input (output enable/disable)

| Tri-State Pin   | Output Pin                       |
|-----------------|----------------------------------|
| Logic 1 or open | Oscillator output                |
| Logic 0         | Disable output to high impedance |

### 4. Reflow Soldering Curve (RoHS)



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

