

PRODUCT SPECIFICATION

| Product Name: | | Piezo Buzzer | | |
|---------------|---------|--------------------|--|--|
| | | | | |
| Part | Number: | MSPS42A28W150V12CT | | |
| | | | | |
| Document No: | | | | |
| | | | | |
| Date: | | 2021.06.16 | | |

| DRAWING BY | CHECKED BY | APPROVED BY |
|------------|------------|-------------|
| CHEN YUAN | YUE QIN | JIN LI |

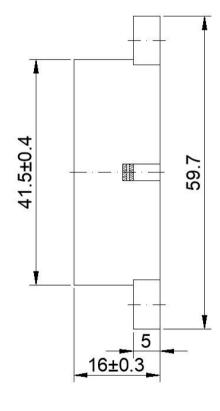


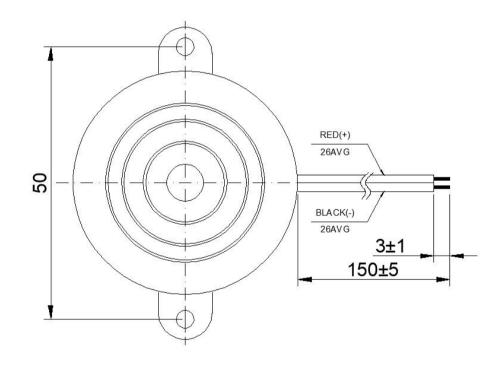
1.SPECIFICATION

| TYPE | MSPS42A28W150V12CT |
|-----------------------|--------------------------|
| Sound pressure Level | 105dB Min. at 12Vdc/10cm |
| Resonant Frequency | 2.8±0.5kHz |
| Rated current | 10mA Max. |
| Rated Voltage | 12.0Vdc |
| ◆Operating Voltage | 3 – 20Vdc |
| Operation Temperature | -20°C - +85°C |
| Lead Wires | UL1007, AWG26 |
| Housing Material | ABS |
| Dimensions(mm) | See the Drawing |
| Weight | 15g |

VALUE APPLYING RATED VOLTAGE (2800Hz 1/2 DUTY SQUARE WAVE) VALUE APPLYING (2800Hz SINE WAVE MEASURING CURRENT $60\mu A$)

2.APPEARANCE DRAWING





(UNIT:MM)

3.TESTING METHOD

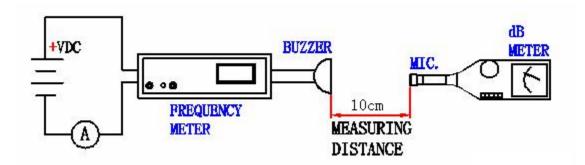
Standard Measurement conditions

Temperature:25±2℃ Humidity:45-65%

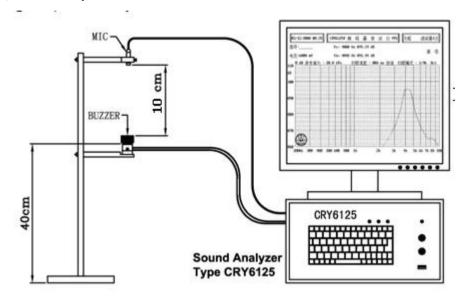
Acoustic Characteristics:

The oscillation frequency, current consumption and sound pressure are measured by the measuring instruments shown below





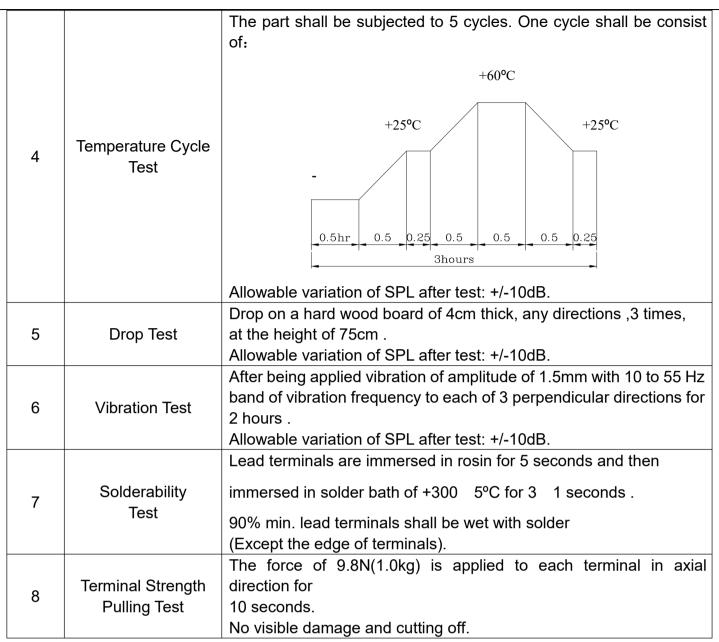
In the measuring test, buzzer is placed as follows:



4.RELIABILITY TEST

| NO. | ITEM | TEST CONDITION AND REQUIREMENT |
|-----|------------------------------------|--|
| 1 | High Temperature Test (Storage) | After being placed in a chamber with 70 2°C for 96 hours and then being placed in normal condition for 2 hours. Allowable variation of SPL after test: +/-10dB. |
| 2 | Low Temperature Test (Storage) | After being Placed in a chamber with -30 2°C for 96 hours and then being placed in normal condition for 2 hours. Allowable variation of SPL after test: +/-10dB. |
| 3 | Humidity Test | After being Placed in a chamber with 90-95% R.H. at 40 2°C for 96 hours and then being placed in normal condition for 2 hours. Allowable variation of SPL after test: +/-10dB. |





TEST CONDITION.

Standard Test Condition : a) Temperature : $+5 \sim +35^{\circ}$ C b) Humidity : 45-85% c) Pressure : 860-1060mbar

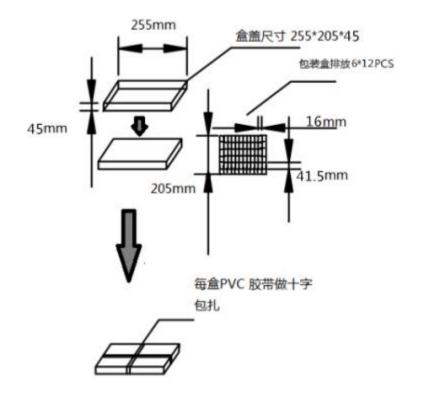
一般测试条件 : a) 温度:+5~+35℃ b) 湿度:45-85% c) 气压:860-1060mbar

Judgment Test Condition : a) Temperature : +25 ± 2℃ b) Humidity : 60-70% c) Pressure : 860-1060mbar

,争议时测试条件 : a) 温度:+25 ± 2℃ b) 湿度:60-70% c) 气压:860-1060mbar

5. PACKING STANDARD





内盒尺寸: 255*205*45mm 外箱尺寸: 440*380*280mm

外箱2列竖放2*7PCS 整箱产品数:1008PCS

外籍用PVC胶带作包扎,然后用包装带做平行包扎,外箱根据要求填

写内容

