#### CMS0813S2.5-6N0.5-N950R

Version: SP1.10.101-A0 ♦ RoHS complaint

- Water-proof
- Small size

Chinasound Micro Speaker 08mm width, 13mm length, Square frame, 2.5mm height - 6 ohm rated impedance, NdFeB magnet, 0.5W

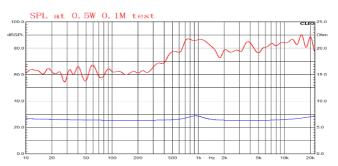
rated power - Pen cone, 950 Hz resonant frequency, RoHS compliant

#### **Picture**

**Description** 

## Frequency Response Curve tested by Sound Check at 0.5W 0.1m





### **Specification**

Rated Impedance 6+/-10% ohm **Rated Power** 0.5 W Max. Power 1 W **Resonant Frequency** 950+/-20% Hz. **Frequency Range** fo ~ 20kHz,

Sound Pressure Level 84+/-3 dB 0.1W10cm (Average of SPL values at 800 \ 1,000 \ 1,200&1,500Hz)

**Operating Temperature** -30°C to +70°C -40 °C to +85 °C **Storage Temperature Termination Description** Soldering Pads **Construction Materials** PPA or PBT Diaphragm PEN cone

Weight (Typical)

Dynamic speaker must be audible noise at 2.83Vrms, sine wave between 300 and 20khz Reliability \*Buzzes & Rattles

frequency range \*Load Test 1W white noise for 96hrs

\*High Temperature no function at +85 +/-2 °C for 96 hours, function at +70+/-2 °C for 96 hours, \*Low Temperature no function at -40+/-2 °C for 96 hours, function at -30+/-2 °C for 96 hours,

\*Humidity +40+/-2C°. 90 ~ 95% R.H. for 48hrs

\*Thermal Shock -30+/-2 °C, 30min $\rightarrow$ +20 °C,15min, $\rightarrow$ +70+/-2 °C, 30min $\rightarrow$ +20 °C,15min, 5 cycles

\*Vibration 1.5mm with 10 to 50Hz of vibration frequency to each of 3 perpendicular direction for 2 hrs

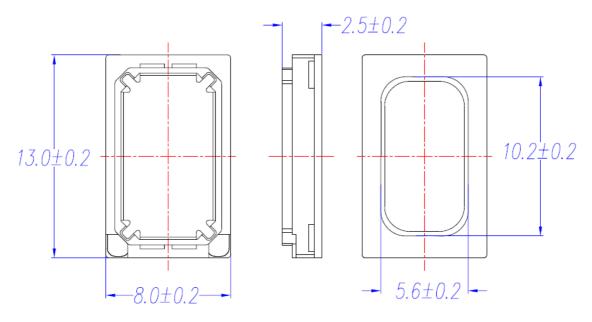
For a period of one (1) year from date of manufacture under normal operations

# Warranty

\* All specifications must be satisfied after the test (Recovery:2 to 4 hrs of recovery under the standard condition after the removal from test chamber).

\*\*90% min. soldering pads shall be with solder.(except the edge of pad)

#### Dimensions (Unit: mm)



Any changes to this specification must be approved in writing by engineering prior to change



### ISO9001 certified

## **Revisions History**

Version Number	Description	Name	Date
SP1.10.101-A0	Original, CMS0813S2.5-6N0.5-N950R	Chrissy Deng	2018-08-16



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