

匯統國際股份有限公司

Huey Tung International Co., Ltd.

# 產品規格書 Specification

[ Model : HT-01287 / 2015.05.12 Version ]



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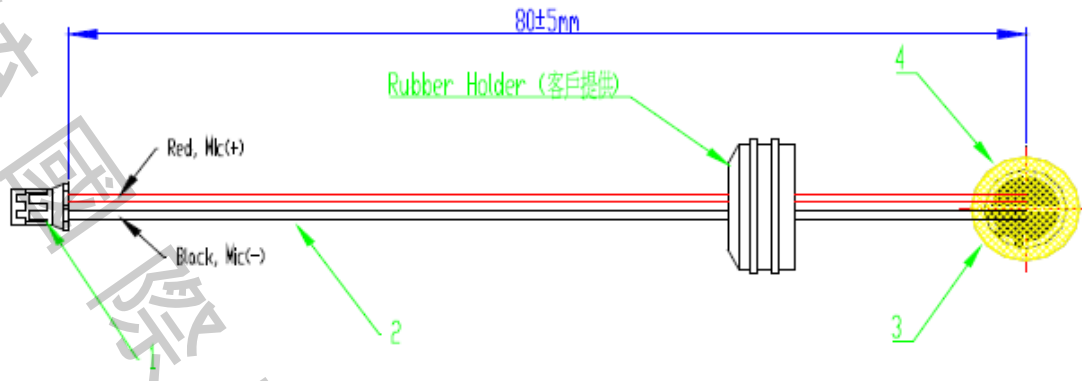
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1	Name: omni-directional condenser microphone for use in telephone (Foil Electret Type)	
2	TYPE: HT-01287	
3	Electrical Specifications:	
3.1	Sensitivity Range	-38±3dB Vcc=4.5V RL=2.2KΩ
3.2	Impedance	Max .2.2KΩ
3.3	Directivity	Omni-directional
3.4	Current Consumption	Max. 500μA RL=2.2KΩ Vcc=4.5V
3.5	Operating Voltage Range	1.0v~10v
3.6	Sound Pressure Level	115dB THD < 10%
3.7	S/N Ratio	More than 60dB
3.8	Voltage reduction characteristic	Less than 3dB from 2.0V to 1.0V
3.9 Frequency Response		
3.10 Schematic Diagram :		
<p>RL=2.2kΩ</p> <p>Vs=2.5V</p>		

#### 4. Mechanical Specifications :

**4.2 Dimension (mm):**  
**Unmarked tolerance is  $\pm 0.15$ (mm)**



ITEM	Part name	Description	Quantity (pcs)
1	Connector	A2001H02-2p or equivalent, ( pitch=2.0mm )	1
2	Wires	UL1571, 28AWG, Red & black twisted	1
3	Microphone	JL-034C-5830	1
2	Glue	UV glue, transparent	1

**4.3 Weight**                      g

#### 5. Reliability Tests:

<b>5.1</b>	Hi-Temp. Test	After exposure at $70\pm 2^{\circ}\text{C}$ for 72 hours. The sensitivity should be with $\pm 3$ dB from initial value. (The measurement should be done after 3 hours at conditioning $25\pm 2^{\circ}\text{C}$ .)
<b>5.2</b>	Low-Temp. Test	After exposure at $-30 \pm 2^{\circ}\text{C}$ for 72 hours. The sensitivity should be with $\pm 3$ dB from initial value. (The measurement should be done after 3 hours, at conditioning $25\pm 2^{\circ}\text{C}$ .)
<b>5.3</b>	Humidity test	After exposure at $40 \pm 2^{\circ}\text{C}$ and 90%~95% humidity for 72 hours. The sensitivity should be with $\pm 3$ dB from initial value. (The measurement should be done after 3 hours at conditioning $25\pm 2^{\circ}\text{C}$ .)

	5.4	Temperature cycle test	After exposure at $-20 \pm 2 \text{ }^\circ\text{C}$ for 2 hours, at $25 \pm 2 \text{ }^\circ\text{C}$ for 2 hours, at $70 \pm 2 \text{ }^\circ\text{C}$ for 2 hours, 5 cycles. The sensitivity should be with $\pm 3 \text{ dB}$ from initial value. (The measurement should be done after 3 hours at conditioning $25 \pm 2 \text{ }^\circ\text{C}$ .)
	5.5	Vibration Test	After vibrations with 10Hz~55Hz, full amplitude 2mm each 3 minutes for 30 minutes at three axes. The sensitivity should be within $\pm 3 \text{ dB}$ from initial value.
	5.6	Dropping Test	After drop from 1 meter height to concrete floor, each 5 face for 5 times with packing. The sensitivity should be with $\pm 3 \text{ dB}$ from initial value.
<b>6 Mechanical requirements :</b>			
	6.1	Storage condition	$-30^\circ\text{C} \sim +70^\circ\text{C}$ R.H.
	6.2	Operation condition	$-20^\circ\text{C} \sim +60^\circ\text{C}$ R.H.
	6.3	Soldering heat shock	After soldering heat shock at $310 \pm 5^\circ\text{C}$ for $2 \pm 1$ seconds. The microphone should be without damage.
	6.4	Terminal strength	After applied a 1 Kg force on terminal for 1 minute. The microphone should be without damage.