

匯統國際股份有限公司

Huey Tung International Co., Ltd.

產品規格書

Specification

[Model : HT-01288/ 2015.05.12 Version]



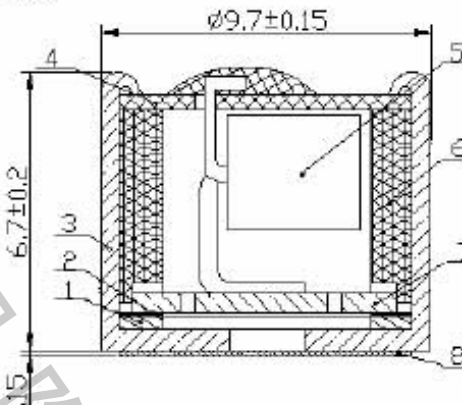
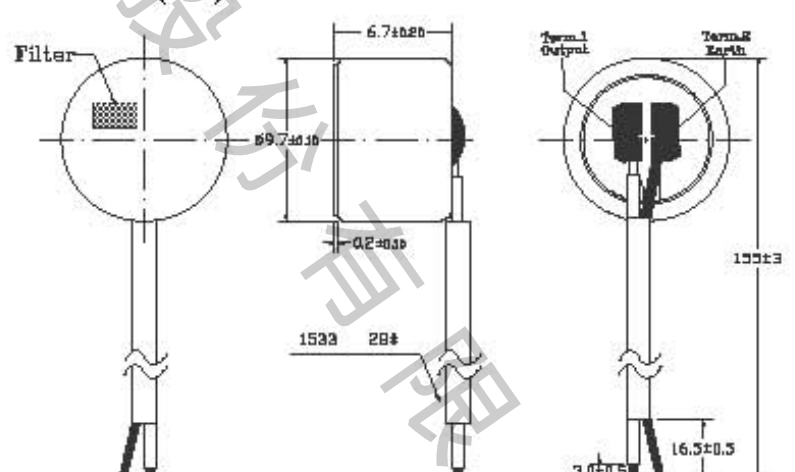
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1	Name: Omnidirectional Electret Condenser Microphone (Foil Electret Type)	
2	TYPE: HT-01288	
3	Electrical Specifications:	
3.1	Sensitivity Range	-46±2dB $R_L=2.2K \Omega$ $V_s=4.5V$ (1KHz 0dB=1V/Pa)
3.2	Impedance	Max.2.2K Ω 1KHz ($R_L=2.2K \Omega$)
3.3	Frequency	20-16000 Hz
3.4	Current Consumption	Max.0.5mA
3.5	Operation Voltage Range	1.0V-10V
3.6	Max. Sound Pressure Level	120dB S.P.L
3.7	S/N Ratio	More than 58dB
3.8	Sensitivity Reduction	4.5V-3.0V Sensitivity Variation less than 3dB
3.9	Typical Frequency Response Curve:	
	A: Frequency Response, Magn dB re 1.000V/Pa	
Relative Response(dB)		
	50	500 Hz 5k 50k
	Frequency(Hz)	
3.10	Schematic Diagram:	
4	Mechanical Specifications:	

4.1	Drawing		<table border="1"> <thead> <tr> <th>NO.</th> <th>NAME</th> <th>MATERIAL</th> <th>QTY</th> <th>REMARK</th> </tr> </thead> <tbody> <tr> <td>8</td> <td>FELT</td> <td>Custom decor textile</td> <td>1</td> <td></td> </tr> <tr> <td>7</td> <td>ELECTRET BOARD</td> <td>H62</td> <td>1</td> <td></td> </tr> <tr> <td>6</td> <td>INNER HOUSING</td> <td>ABS</td> <td>1</td> <td></td> </tr> <tr> <td>5</td> <td>F. E. T</td> <td></td> <td>1</td> <td>28K596</td> </tr> <tr> <td>4</td> <td>P. C. B</td> <td>Glass fiber</td> <td>1</td> <td></td> </tr> <tr> <td>3</td> <td>CASE</td> <td>AL</td> <td>1</td> <td></td> </tr> <tr> <td>2</td> <td>SPACER</td> <td>Polyester film</td> <td>1</td> <td></td> </tr> <tr> <td>1</td> <td>POLARIZED DIAPHRAGM</td> <td>Teflon</td> <td>1</td> <td>DUPONT</td> </tr> </tbody> </table>	NO.	NAME	MATERIAL	QTY	REMARK	8	FELT	Custom decor textile	1		7	ELECTRET BOARD	H62	1		6	INNER HOUSING	ABS	1		5	F. E. T		1	28K596	4	P. C. B	Glass fiber	1		3	CASE	AL	1		2	SPACER	Polyester film	1		1	POLARIZED DIAPHRAGM	Teflon	1	DUPONT
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4.2	Dimension (mm)																																															
4.3	Weight	1.2g																																														
5. Reliability Tests: After any following tests, the sensitivity of the microphone unit shall not change more than $\pm 3\text{dB}$ from initial value, and shall keep their initial operation and appearance.																																																
5.1	Hi-Temp. Test	The microphone unit must be subjected to $+70^{\circ}\text{C}$ for 200 Hours, and expose to room temperature for 3 Hours.																																														
5.2	Low-Temp. Test	The microphone unit must be subjected to -25°C for 200 Hours, and expose to room temperature for 3 Hours.																																														
5.3	Humi.&Heat Tes	The microphone unit must be subjected to $+40^{\circ}\text{C}$, 93% RH-for 200 Hours, and expose to room temp for 3 Hours.																																														
5.4	Humidity Shocking Test	The microphone unit must be subjected to following conditions ($+50^{\circ}\text{C}$ 1H-room temp 1H; -10°C 1H-room temp 1H) at 5 cycle, and expose to room temp for 3 Hours.																																														
5.5	Vibration Test	The microphone unit must be subjected to a procedure that after vibrating for two hours from each of the two directions with a frequency of 10-55Hz and a 1.52mm-high amplitude.																																														
5.6	Dropping Test	The microphone unit must be subjected to a procedure that after dropping to a slippery marble floor for 5 times from a 1-meter-high without package.																																														
6	Environmental Condition:																																															
6.1	Storage condition	$-20^{\circ}\text{C} \sim +60^{\circ}\text{C}$ R.H. 45%--75%																																														

6.2	Operation condition	-10°C~+45°C R.H. less than 85%
6.3	Arbitration condition	Temperature : 20°C±1°C Relative humidity: 63%~67% Air pressure : 86~106Kpa
7	Notices:	
7.1	All the soldering procedures upon microphones must be completed in a metallic device, the temperature of the soldering iron must be limited as 320°C± 20°C .	
7.2	Operators, the solder fixtures and the soldering irons must be statically grounded under each soldering process.	

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