

Smp No: Eng.No:

APPROVAL SHEET

Product: Electret Condenser Microphone

Model	MB04015CPC-18	
Customer name		
Sensitivity	-42 ± 3 dB	
Test Condition	2V 2.2KΩ	

DESIGNED BY	William Liu	
REVISED BY		
APPROVED BY	Geremy Feng	
SUBMISSION DATE	2020/09/17	

CUSTOMER:

P/N of Customer:

APPROVED BY	APPROVED DATE	

WEIFANG AODA ELECTRONIC CO.,LTD.

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Version: A Effective Date: 07/02/01 WIE007-01 5/7



7. Reliablity test:

	Item	Test condition	Evaluation
1	High temperature Test	The part shall be capable of with- standing a storage temperature of +70 °C for 200 hours.	
2	Low temperature Test	The part shall be capable of with− standing a storage temperature of −20 ℃ for 200 hours.	
3	Temperature cycle test	The part shall be subjected to 5 cycle. One cycle shall consist of $(+70 \ C, 30 \text{min} \rightarrow \text{Room}$ temp(+20 C), 10min \rightarrow -20 C 30min \rightarrow Room temp(+20 C), 10min)	After the test the ECM unit shall meet the requirement of no more than ± 3 dB variation from
4	Humidity Test	The part shall be capable of with- standing a storage of humidity of $90 \sim 95\%$ at the +40°C for 200 hours.	initial sensitivity after 2 hours recovering.
5	Drop Test	The microphone unit without package must be subjected to each 3 drops at three axises from the height of 1 meter to 20 mm thick hardwood board.	
6	Vibration Test	The microphone unit must be subjected to each 2 hours vibrations at three axises 2mm dynamic range,10~50Hz/minute.	
7	Soldering Heat Resistance	Soldering iron of $+330 \pm 5$ °C should be placed on the terminal for 2 ± 0.5 seconds.	



