規格承認書

SPECIFICATION FOR APPROVAL

客 户	
CUSTOMER :	立创
項目	
ITEM	: 咪头
型號	
TYPE	: BL-MP6050-32DB
客戶料號	
CUSTOMER NO.	<u>:</u>
規格書號	
SPECIFICATION	NO. :
版本	
EDITION NO.	: 1.1
日期-	
DATE	: 2018-07-20
	客戶認可
	CUSTOMER'S APPROVED SIGNATURE

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確認	審査	製作
APPROVED BY	CHECKED BY	ISSUED BY
	石磊	zhang

A. SCOPE

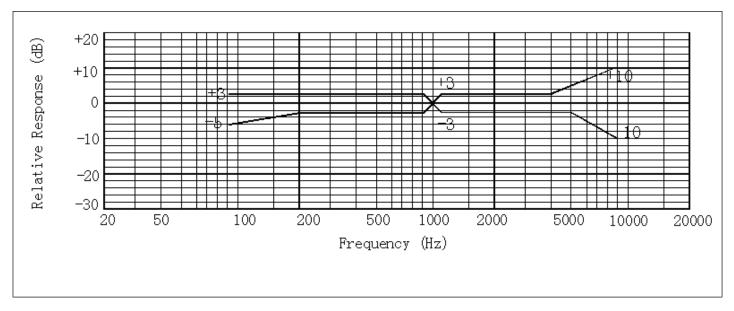
This specification applies electret condenser microphoneBL-MP6050-32dB

B. SPECIFICATION

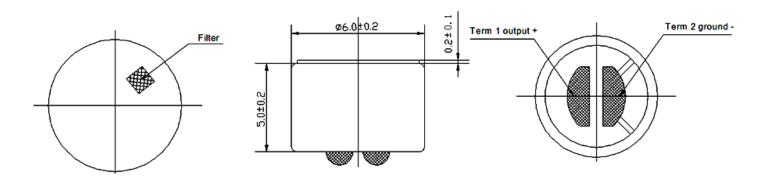
■Test condition: RL=2.2KΩ VS=4.5V TEMP=25°C±2°C Related humidity=65±5%

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No.	Item	Symbol	Unit	Specification	Condition
1	Directivity			Omnidirectional	
2	Sensitivity	s	dB	-32±3	f=1KHz,1Pa 0dB=1V/ Pa
3	Standard operating voltage	V s	V	4.5	
4	Output impedance	Zout	ΚΩ	€2.2	f=1KHz, 1Pa
5	Max operating voltage		٧.	10	
6	Sensitivity reduction	△S-V s	dB	- 3	f=1KHz, 1Pa Vs=4.5VDC to3.0VDC
7	Max. current consumption	IDSS	mA	≤0.5	
8	Signal to noise ration	S/N	dBA	≥58	
9	Operation temp.		$^{\circ}\! \mathbb{C}$	-10 ~+60	
10	Storage temp.		$^{\circ}$	-20 ~+70	
11	Dimension		mm	φ 6.0x5.0	See appearance drawing
12	Terminal			Terminal	See appearance drawing

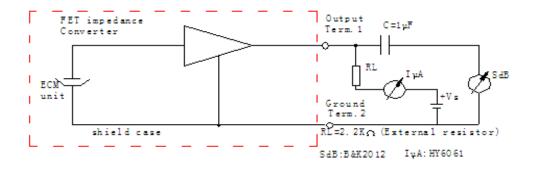
C.TYPICAL FREQUENCY RESPONSE CURVE



D. APPEARANCE DRAWING



E. MEASUREMENT CIRCUIT



传声器信赖性试验 Reliability Test

经过以下所有试验在 20°C 的条件下放置 3 小时后,麦克风的灵敏度与试验前比较变化在 $\pm 3DB$ 以内 After any following tests, the sensitivity of the microphone to be within $\pm 3DB$ of initial sensitivity after 3hours of conditioning at 20°C

5-1 振动试验	周波数 1/Frequency1:10Hz~55Hz				
Vibration	振幅/Amplitude:1.52mm				
	变化/Change of Frequency:1 octave/min				
	3 方向,各 1 小时/hours in each of 3 axes				
5-2 高温试验	+70°C for 72 hours				
Dry Heat					
5-3 低温试验	-20°C for 72 hours				
Dry Cold					
5-4 高温高湿试验	000/ 050/DH 140°C for 79 hours				
Damp Heat	$90\% \sim 95\%$ RH, $+40$ °C for 72 hours				
Damp Heat					
5-5 温度循环试验	-20°C 25°C 60°C 25°C				
Temperature cycles	(0.5h) (10 minutes) (0.5h) (10 minutes) x 5 cycles				
	→ ←→				
5-6 跌落试验	Height:1m				
Packing drop test	顺序:三个面各跌 1 次				
	Procedure: 1 times from each of 3 axises				

焊接条件

Soldering Condition.

7-2 电烙铁表面温度低于 300℃±10℃

The temperature of the working surface of the soldering copper shall be below $300^{\circ}\text{C} \pm 10^{\circ}\text{C}$

7-3 焊接时把麦克风嵌入散热能力强的金属块内。

ECM shall be soldered fixed on the metal block(heat sink)which has the higher radiation effects said heat sink Shall contact with of ECM.

7-4 焊接时间控制在3秒内。

time for each terminal shall be3sec.

7-5 焊接后不能出现针孔。

The pinhole after soldering shall be avoided.

7-6 静电容易破坏麦克风必须采取措施避免(电烙铁接地,戴静电环等。)

ECM may easily destroyed by the static electricity and the countermeasure for eliminating the static electricity(the ground for soldering copper, for worktable and for human body)shall be executed.