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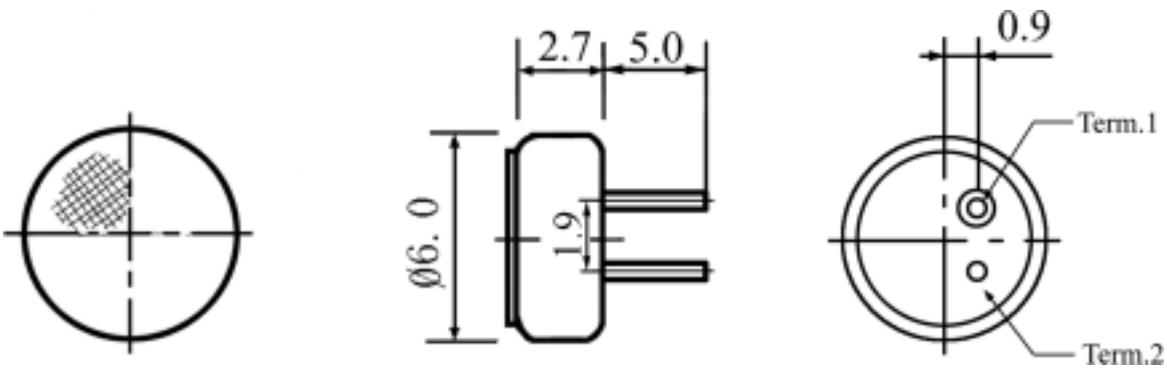
1.	適用範圍 Scope	本規格書適用於駐極體電容式麥克風 This specification applies electret condenser microphone
2.	型號 Model No.	**VM-6027-2P ( )**
3.	試驗條件 Test Condition	
	3-1 標準試驗條件 Standar Test Condition	溫度 / Temperature : 5~35℃ 相對濕度/Rel. Humidity : 45~85%(RH) 氣壓 / Pressure : 86~106KPa
	3-2 判定試驗條件 Judgment Test ondition	溫度 / Temperature : 20±2℃ 相對濕度/Rel. Humidity : 60~70%(RH) 氣壓 / Pressure : 86~106Kpa
4.	規格 Specifications	
	4-1 尺寸 Dimension	φ6.0X2.7(±0.2)mm
	4-2 FET Model:	SANYO TF-202
	4-3 指向性 Directivity	Omni-directional

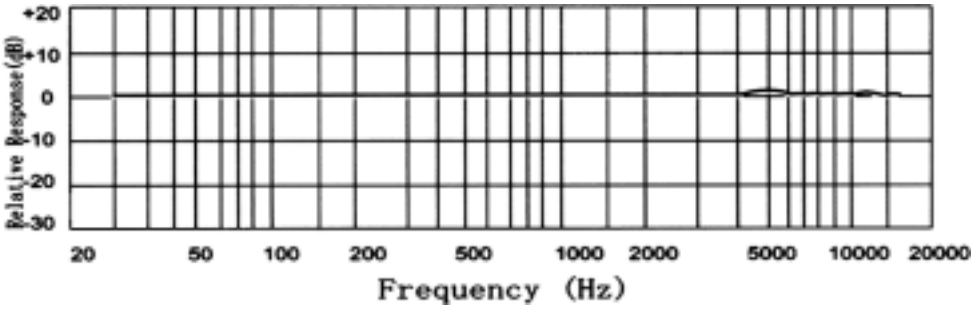
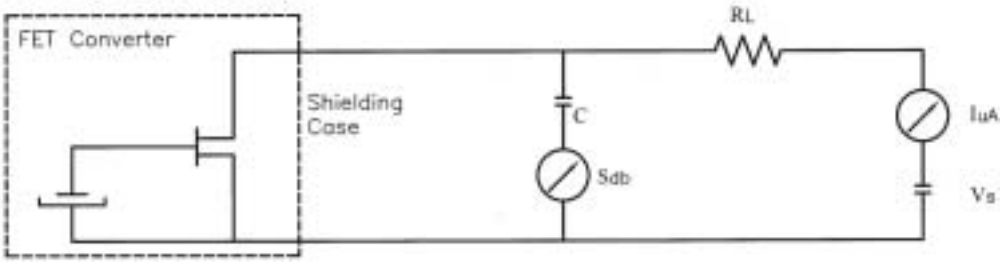
4-4 靈敏度 Sensitivity

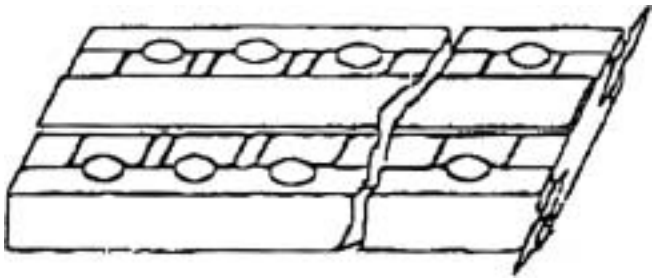
						at L=50cm
-36±3dB	**-38±3dB**	**-40±3dB**	**-42±3dB**	**-44±3dB**	**-46±3dB**	**0dB=1V/Pa, 1KHz**

4-5 尺寸圖 Appearance and Dimension Unit：mm



4-6 負載阻抗 Operating Impedance	2.2KΩ
4-7 基準電壓 standard Power Supply	3.0V
4-8 操作電壓 Operating Voltage	D.C 1~10V (Sensitivity Reduction: Within –3dB at 1.0V Compare to 3.0V)
4-9 頻響特性 Frequency	20-16,000Hz
4-10 耗電流 Current Consumption	Max. 0.5mA

	4-11 信噪比 S/N Ratio	More than 58dB
	4-12 最大輸入聲壓 Max input sound level	120dB SPL
	4-13 周波數特性 Typical Frequency Response Curve 全指向性  	
	4-14 回路圖 Test Circuit  	
5.	信賴性試驗 Reliability Test	
	經過以下所有試驗在 20℃的條件下放置 3 小時後，麥克風的靈敏度與試驗前比較變化在±3dB 以內。 After any following tests, the sensitivity of the microphone to be within ±3dB of initial sensitivity after 3hours of conditioning at 20℃.	
	5-1 振動試驗 Vibration	周波數 1/ Frequency1 : 10Hz~55Hz 振幅 / Amplitude : ±0.15mm 周波數 2/ Frequency2 : 55Hz~150Hz 加速度 /Acceleration : 20m/s^2 變化 /Change of Frequency : 1 octave/min 3 方向，各 2 小時/2 hours in each of 3 axes
	5-2 衝擊試驗 Shocks	脈衝波形 /Pulse shape : half sinusoidal 脈衝幅 / Pulse duration : 11ms 加速度 /Acceleration : 150m/s^2 回數 /Number of jolts : 10 in each of 3 axes (5 in positive and 5 in negative direction)
	5-3 高溫試驗/低溫試驗 Dry Heat/Cold	+70℃ for 72 hours -20℃ for 72 hours
	5-4 高溫高濕試驗 Damp Heat	90% RH,+40℃ for 240 hours
	5-5 溫度迴圈試驗 Temperature cycles	-20℃ ⟷ 25℃ ⟷ 70℃ (2H) (1H) (2H) (1H) (2H) 10 cycles

	5-6 熱衝擊試驗 Rapid Temperature Change	Low:-20℃, high:+70℃ 放置時間 /Dwell time :30 min 10 cycles 移行時間 /Transfer time (-20~70):30 sec
6	備註 Note	
	6-1 動作溫度範圍 Operation Temperature	-20℃~70℃
	6-2 保存溫度範圍 Storage Temperature	-20℃~70℃
7.	焊接條件 Soldering Condition	
	7-1 焊接使用小於 20W 的電烙鐵。 The soldering copper of a small type of less than 20W shall be applied.	
	7-2 電烙鐵表面溫度低於 270℃。 The temperature of the working surface of the soldering copper shall be below 270℃	
	7-3 焊接時把麥克風嵌入散熱能力強的金屬塊內。 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 焊接時間控制在 3 秒內。 The soldering time for each terminal shall be 3 sec max.	
	7-5 焊接後不能出現針孔。 The pinhole after soldering shall be avoided.	
	7-6 靜電容易破壞麥克風必須採取措施避免（電烙鐵接地，戴靜電環等。） 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.	
	7-7 放熱板形狀 Shape of heat sink 	
	7-8 固定部孔形狀 Shape of hole at fixed part