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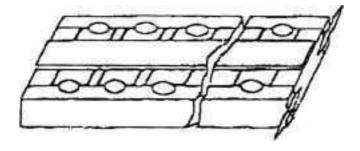
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1.	Scope	This specification applies electret condenser microphone			
2	Model No.	VM-6050-1 ()			
3.	Test Condition	on			
	3-1 Standard Test Condition	Temperature : 5~35 C Rel. Humidity : 45~85%(RH) Pressure : 86~106KPa			
	3-2 Judgment Test Condition	Temperature : 20 +- 2 C /Rel. Humidity : 60~70%(RH) Pressure : 86~106Kpa			
4.	Specifications				
	4-1 Dimension	4-1 6.0.5.0(.0.2)mm			
	4-2 FET Model:	NEC 2SK1109			
	4-3 Directivity	Omni-directional			
	4-4	at L=50cm			
	Sensitivity 4-5 Appearar	-36;3dB -38;3dB -40;3dB -42;3dB -44;3dB -46;3dB 0dB=1V/Pa, 1KHz			
	Term				
	4-6 Operating Impedance	2.2K			
	4-7 standard Power Supply	3.0V			
	4-8 Operating Voltage	D.C 1~10V (Sensitivity Reduction: Within –3dB at 1.0V Compare to 3.0V)			
	4-9 Frequency	20-20,000Hz			
	4-10 Current Consumption	Max. 0.5mA			

	4-11 S/N Ratio	More than 60dB		
	4-12	400 ID 0DI		
	Max input sound level	120dB SPL		
	<u> </u>	3 Typical Frequency Response Curve **Typical Frequency Response Curve** **Typical Frequency Response Curve		
	4-14 Test Circuit			
5.	Reliability Test			
	3dB After any following tests, the sensitivity of the microphone to be within ;3dB of initial sensitivity after 3hours of conditioning at 20 C			
	5-1 Vibration	Frequency1 : 10Hz~55Hz Amplitude : ;0.;15mm Frequency2 : 55Hz~150Hz Acceleration : 20m/s² Change of Frequency : 1 octave/min /2 hours in each of 3 axes		
	5-2 Shocks	/Pulse shape half sinusoidal / Pulse duration : 11ms /Acceleration : 150m/s² /Number of jolts : 10 in each of 3 axes (5 in positive and 5 in negative direction)		
	5-3	+70C for 72 hours -20 C for 72 hours		
	Dry Heat/Cold			
	5-4 Damp Heat	90% RH,+40 C for 240 hours		
	5-5 Temperature cycles	-20C ← → 25C ← → 70 C (2H) (1H) (2H) (1H) (2H) 10 cycles		

	5-6	Low:-20C high:+70 C			
Rapid Temperature Change	/Dwell time :30 min 10 cycles				
	Change	/Transfer time (-20~70):30 sec			
)					
	6-1 Operation Temperature	-20 C ~70 C			
	6-2 Storage Temperature	-20 C ~70 C			
.	Soldering Condition				
	7-1 20W The soldering copper of a small type of less than 20W shall be applied.				
	7-2 270 C The temperature of the working surface of the soldering copper shall be below 270 C				
	7-3 ECM shall be soldered fixed on the metal block (heat sink) which has the higher radiation effect said heat sink shall contact with of ECM.				
	7-4				
	The soldering time for each terminal shall be 3 sec max.				
	7-5 The pinhole after soldering shall be avoided.				
	The philiole diter solde	0			

executed. 7-7



7-8 Shape of hole at fixed part

