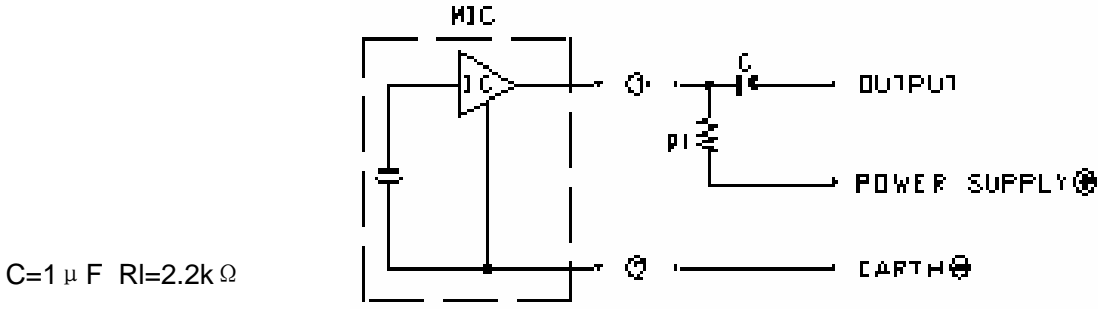
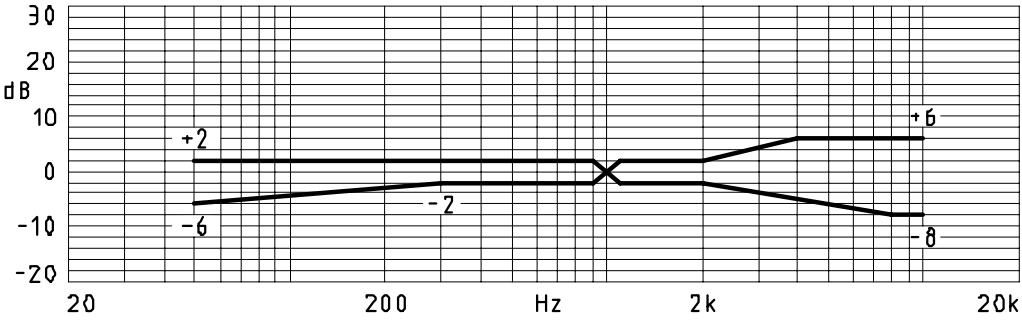
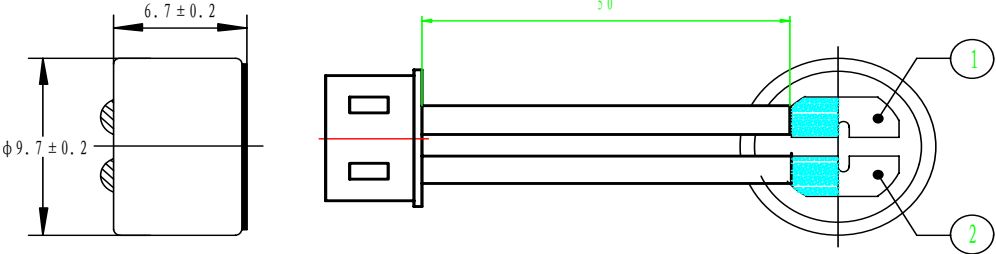


SPECIFICATION

FOR P/N MTM928-633-jwt5

1.	Scope	This specification applies electret condenser microphone(E.C.M)
2.	Model No.	MTM928-633-jwt5
3.	Operation Condition	
	3.1Temperature	-20~+70°C
	3.2Rel. Humidity	35%~85%RH
	3.3Pressure	86~106KPa
	3.4Environmental Noise	36dB(Maximum)
	3.5Operation Voltage	+1~+10VDC
	3.6Earth	⊖
4.	Electrical Characteristics	
	4.1Standard Operation Voltage	+4.5VDC
	4.2Impedance	2.2k Ω (Maximum)
	4.3Current Consumption	0.6mA(Maximum)
	4.4Sensitivity	(0dB=1V/0.1Pa,1KHz) -63±3dB
	4.5Directivity	Omni-directional
	4.6S/N Ratio	40dB(Minimum)(A-Curve at 1KHz,0.1Pa)
	4.7Schematic Diagram	 <p>C=1 μ F RI=2.2k Ω</p>
	4.8Test Temperature	20°C±2°C
	Test Rel. Humidity	45%~65%RH

	<p>4.9 Frequency Response</p> 																
5.	<p>Mechanical Characteristics</p> <table border="1" data-bbox="240 819 1489 902"> <tr> <td data-bbox="240 819 576 857">5.1 Dimension</td> <td data-bbox="580 819 1489 857">φ9.7×6.7 connecting wire 190mm</td> </tr> <tr> <td data-bbox="240 864 576 902">5.2 Mass</td> <td data-bbox="580 864 1489 902">≤1.3g</td> </tr> </table> <p>5.3 Dimensional Drawing</p> 		5.1 Dimension	φ9.7×6.7 connecting wire 190mm	5.2 Mass	≤1.3g											
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6.	<p>Reliability Tests</p> <p>The sensitivity to be within ±3dB of initial sensitivity after 3 hours of conditioning at 20°C.</p> <table border="1" data-bbox="240 1402 1489 1930"> <tr> <td data-bbox="240 1402 576 1626">6.1 Vibration</td> <td colspan="2" data-bbox="580 1402 1489 1626"> Frequency 1 10Hz~55Hz Amplitude ±0.15mm Frequency 2 55Hz~150Hz Acceleration 20m/s² Change of Frequency 1 octave/min 2 hrs in each of 3 axes </td> </tr> <tr> <td data-bbox="240 1632 576 1771">6.2 Shocks</td> <td colspan="2" data-bbox="580 1632 1489 1771"> Pulse Shape Half Sinusoidal Pulse Duration 11ms Acceleration 150m/s² Number of Jolts 10 in each of 3 axes </td> </tr> <tr> <td data-bbox="240 1778 576 1816">6.3 Dry Heat/Cold</td> <td colspan="2" data-bbox="580 1778 1489 1816">70°C for 72 hrs -20°C for 72 hrs</td> </tr> <tr> <td data-bbox="240 1823 576 1861">6.4 Damp Heat</td> <td colspan="2" data-bbox="580 1823 1489 1861">90%RH,+40°C for 120 hrs</td> </tr> <tr> <td data-bbox="240 1868 576 1930">6.5 Temperature Cycles</td> <td colspan="2" data-bbox="580 1868 1489 1930"> -20°C ↔ 25°C ↔ 70°C (2h) (1h) (2h) (1h) (2h) 10cycles </td> </tr> </table>		6.1 Vibration	Frequency 1 10Hz~55Hz Amplitude ±0.15mm Frequency 2 55Hz~150Hz Acceleration 20m/s ² Change of Frequency 1 octave/min 2 hrs in each of 3 axes		6.2 Shocks	Pulse Shape Half Sinusoidal Pulse Duration 11ms Acceleration 150m/s ² Number of Jolts 10 in each of 3 axes		6.3 Dry Heat/Cold	70°C for 72 hrs -20°C for 72 hrs		6.4 Damp Heat	90%RH,+40°C for 120 hrs		6.5 Temperature Cycles	-20°C ↔ 25°C ↔ 70°C (2h) (1h) (2h) (1h) (2h) 10cycles	
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7.	Cautions
	7.1The soldering copper of a smaller type of less than 20W shall be applied.
	7.2The temperature of the working surface of the soldering copper shall be below 270 °C.
	7.3E.C.M shall be soldered fixed on the metal block (heat sink) which has the higher radiation effects. Said heat sink shall contact with each of E.C.M.
	7.4The soldering time for each terminal shall be 1~2 sec.
	7.5The pin hole soldering shall be avoided.
	7.6E.C.M 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.

WRTN	CHKD	APVD	DESCRIPTION