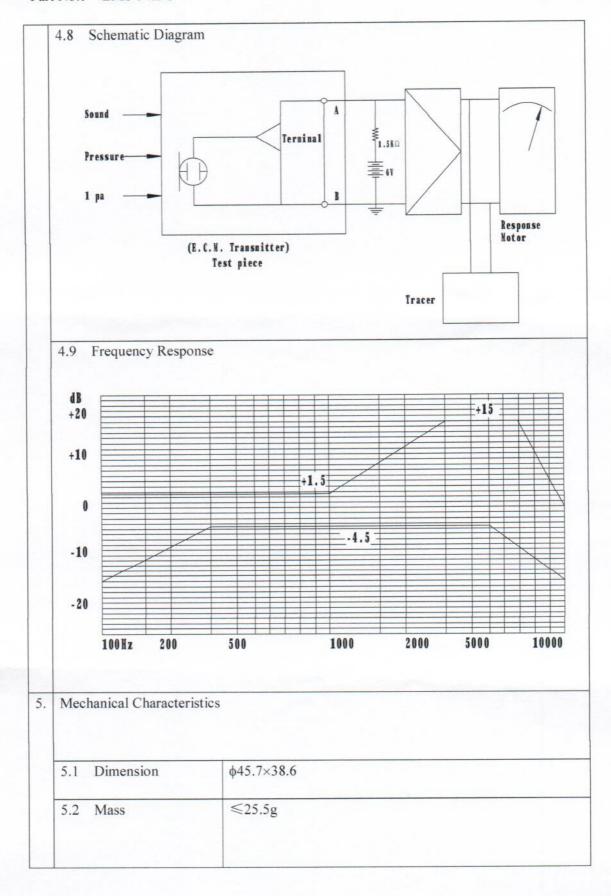
Specification of Electret Condenser Microphone

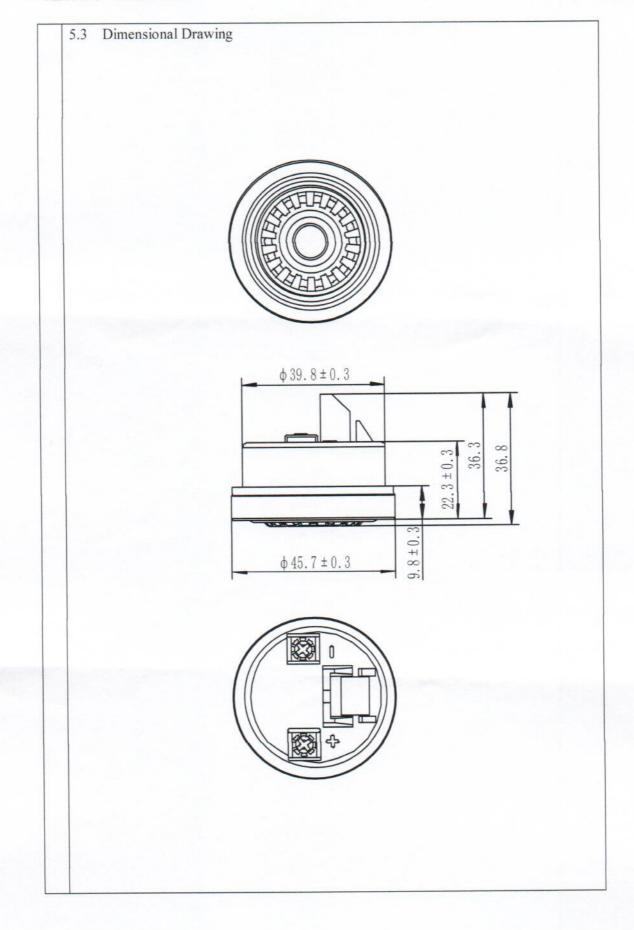
	Our model:	EMS94-IPC
	Cust model:	
To:_		

Customer Approval:

Part No.: EMS-94IPC

1.	Scope	This specification applies electret condenser microphone(E.C.M)	
2.	Model No.	EMS-94IPC	
3.	Operation Condition		
	3.1 Temperature	-20~+70°C	
	3.2 Rel. Humidity	35%~85%RH	
	3.3 Pressure	86~106Kpa	
	3.4 Environmental Noise	36dB(Maximum)	
	3.5 Operation Voltage	+1~+10VDC	
	3.6 Earth	Θ	
4.	Electrical Characteristics		
	4.1 Standard Operation Voltage	+6.0VDC	
	4.2 Impedance	1.5k Ω (Maximum)	
	4.3 Current Consumption	0.3mA(Maximum)	
	4.4 Sensitivity	(0dB=1V/Pa,1KHz) -40±3dB	
	4.5 Directivity	Omni-directional	
	4.6 S/N Ratio	60dB(Minimum)(A-Curve at 1KHz,1Pa)	
	4.7		
	Test Temperature	20°C±2°C	
	Test Rel. Humidity	45%~65%RH	





Part No.: EMS-94IPC

	at 20℃.	within ±3dB of initial sensitivity after 3 hours of conditioning		
6.1	Vibration Test	Frequency 1 10Hz~55Hz		
		Amplitude ±0.15mm		
		Frequency 2 55Hz~150Hz		
		Acceleration 20m/s ²		
		Change of Frequency 1octave/min		
		2 hrs in each of 3 axes		
6.2	Shocks Test	Pulse Shape Half Sinusoidal		
0.2	Shocks Test	Tan Shape		
		Pulse Duration 11ms		
		Acceleration 150m/s ²		
		Number of Jolts 10 in each of 3 axes		
6.3	Drop Test	To be no interference in operation after dropped to concre- floor each time from 1 meter height at three directions state of packing.		
6.4	Dry Heat/Cold Test	80°C for 72 hrs -20°C for 72 hrs		
6.5	Damp Heat Test	90%RH,+40℃ for 100 hrs		
6.6	Temperature Cycles Test	(2h) (1h) (2h) 4cycles		
7.1	7.1 The soldering copper of a smaller type of less than 20Wshall be applied.			
	The temperature of the working surface of the soldering copper shall be below 27			
°C.	E C M shall be salders	d fixed on the metal block (heat sink) which has the higher		
100		sink shall contact with each of E.C.M.		
7.4 The soldering time for each terminal shall be 1~2 sec.				
elii	7.5 E.C.M may easily destroyed by the static electricity, and the countermeasure feliminating the static electricity (the ground for soldering copper, for worktable and fenuman body) shall be executed.			