SPECIFICATION

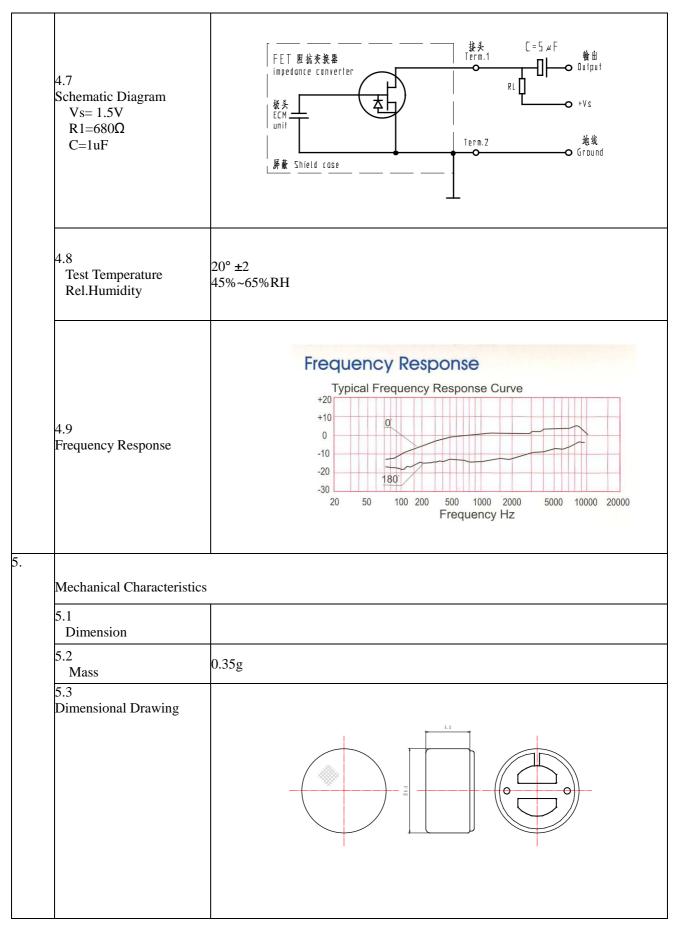
TYPE "XL"Electret Condenser Microphone

Seope	This specification applies electret condenser microphone (E.C.M)	
Model No.	EM-B9760UL	
Operation Condition	I	
3.1 Temperature	-20° - +70°	
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		
Electrical Characteristics		
4.1 StandardOperationVoltage	4.5VDC	
4.2 Impedance	Less than $2.2 \text{K}\Omega$	
4.3 Current Consumption	0.5mA (Maximum)	
4.4 Sensitivity	-50dB±3dB(0dB=1V/Pa,1KHz) Vs=4.5V R1=2.2KΩ	
4.5 Directivity	Unidirectional	
4.6 S/N Ratio	56dB(Minimum)	

Part No. EM-B9760UL

WRTN	СНКД	APVD	DESCRIPTION

TYPE "XL" Electret Condenser Microphone Part No. EM-B6050UL



Reliability Tests	within $\pm 2d\mathbf{P}$ of initial consistivity offer 2 hours conditioning at 20		
	e within ± 3 dB of initial sensitivity affer 3 hours conditioning at 20 \therefore		
6.1 Vibration	Frequency1 10Hz~55Hz Amplitude ±0.15mm Frequency2 55Hz~150Hz Acceleration 20m/s Change of Frequency 1octave/min 2 hrs in each of 3 axes		
6.2 Shocks	Pulse Shape Half Sinusoidal Puise Duration 11ms Acceleration 150m/s ² Number of Jolts 10 in each of 3 axes		
6.3 Dry Heat/Cold	70° for 72hrs -20° for 72hrs		
6.4 Damp Heat	90%RH,+40 for 120hrs		
6.5 Temperature Cycles	(2h)(1h)(2h)(1h)(2h) 10cycles		
Cautions			
7.1 The soldering copper of a	a smaller type of less than 20W shall be applied.		
7.2 The temperaure of the wa	orking surface of the soldering copper shall be below 270 .		
	fixed on the metal block (heat sink)which has the higher hk shall contact with each of E.C.M.		
7.4 The soldering time for ea	ach terminal shall be 1~2 sec.		
7.5 The pin hole soldering sl	nall be avoided.		
7.6 F.C.M. may agaily destro	yed by the static electricity, and the countermeasure for eliminating		