NINGBO BEST GROUP CO.,LTD

SPECIFICATION

drawing no:2010061201

TYPE "FB" Electret Condenser Microphone

Part No. EM-9767P

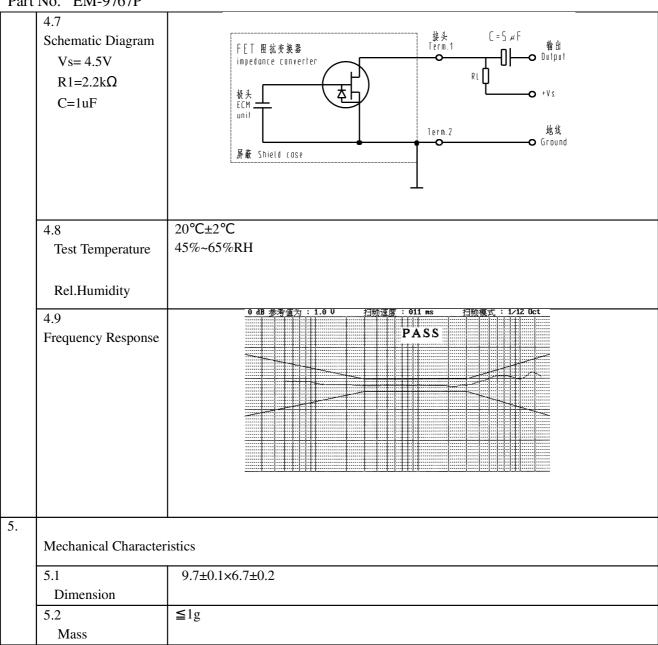
1. Scope	
Model No.	E.C.M)
Operation Condition 3.1	
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3.1	
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3.2	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	
3.3 86~106Kpa	
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4.3 0.5mA () Current Consumption 0.5mA (Maximum)	
Current Consumption 0.5mA (Maximum)	
44	
Sensitivity $-60 dB \pm 1 dB$ $Vs = 4.5V$ $R1 = 2.2k\Omega$	
4.5	
Directivity Omni-directional	
4.6 40dB()	
S/N Ratio 40dB(Minimum)	

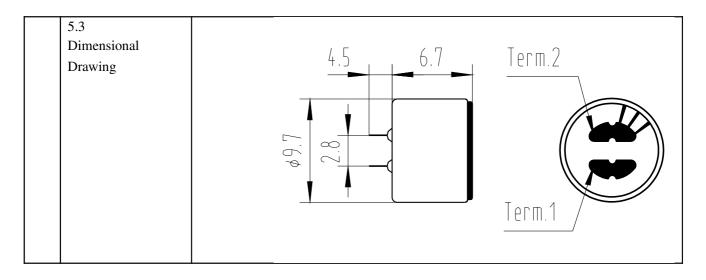
WRTN	CHKD	APVD	DESCRIPTION

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3-3

	3 ±3dB e within ±3dB of initial sensitivity affer 3 hours conditioning at 20°C.
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6.1 Vibration	1 Frequency1 10Hz~55Hz Amplitude ±0.15mm
Violation	2 Frequency2 55Hz~150Hz
	Acceleration 20m/s
	Change of Frequency 1 / loctave/min
	3 2 2 hrs in each of 3 axes
6.2	Pulse Shape Half Sinusoidal
Shocks	Puise Duration 11ms
	Acceleration 150m/s ²
	Number of Jolts 3 10 10 in each of 3 axes
6.3	70°C,72 -20°C,72
Dry Heat/Cold	70°C for 72hrs -20°C for 72hrs
6.4	90%RH,+40°C,120
Damp Heat	90%RH,+40°C for 120hrs
6.5	-20°C←→25°C←→70°C 10
Temperature Cycles	(2h)(1h)(2h)(1h)(2h) 10cycles
Cautions	
Cautions	
7.1 20W	
The soldering copper of	a smaller type of less than 20W shall be applied.

7.3

E.C.M shall be soldered fixed on the metal block (heat sink) which has the higher Radiation effects heat sink shall contact with each of E.C.M.

7.4 1~2

The soldering time for each terminal shall be $1\sim2$ sec.

7.5

The pin hole soldering shall be avoided.

7.6

E.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.