

CUSTOMER	81-6026	MODEL NO.	NSAE-85AW-1
	NSE1-B0850W0C1	DATE	NS201201001

# PRODUCT SPECIFICATIONS

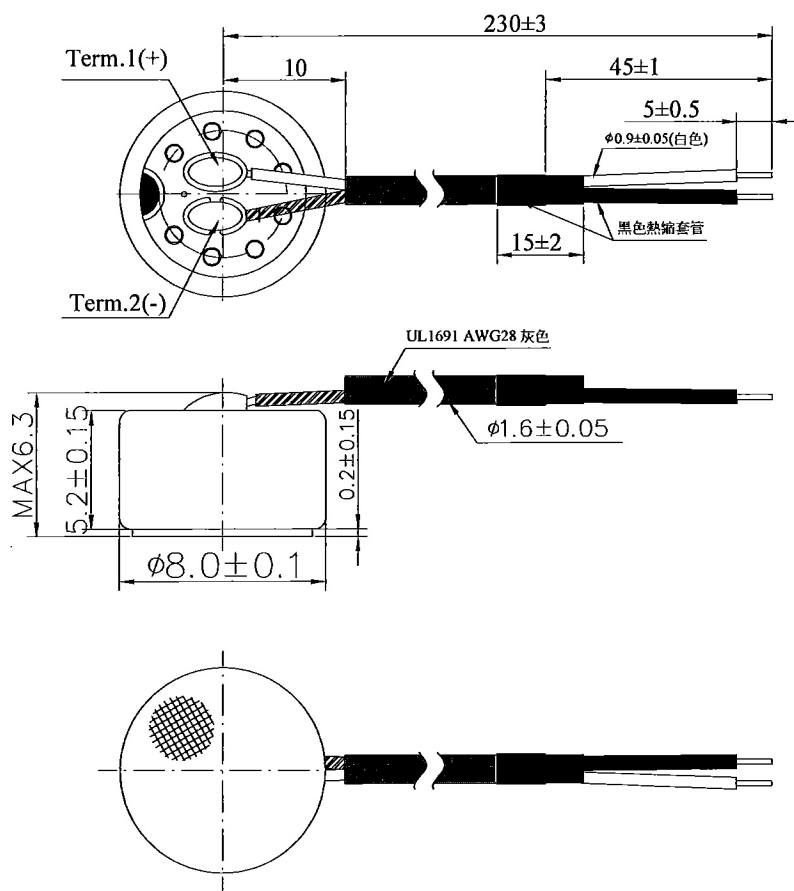
1 · Electrical Characteristics Test Condition (Vs=1.5V RL=2.2kΩ Temp=20℃ R.H.=65%)		
1-1 Sensitivity	-42±3 dB (1kHz,0dB=1V/Pa)	
1-2 Impedance	Less than 2.2kΩ	
1-3 Directivity	Unidirectional	
1-4 Standard operation voltage	1.5V	
1-5 Current consumption	Max. 0.5mA	
1-6 Sensitivity reduction	Within 3dB at 1.0V	
1-7 S/N ratio	More than 65dB	
1-8 Maximum input S.P.L	110dB	
2 · Mechanical Characteristics		
2-1 Soldering Heat Shock	To be no interference in operation after soldering. Heat shock, temperature 320℃±20℃ for 3±1 seconds. And also strong recommend with this condition for producing operation.	
2-2 Terminal Mechanical Strength	To be no interference in operation after pulled the terminal with 0.5kg strength for 3 seconds.	
3 · Reliability Test		
3-1 Vibration Test	To be no interference in operation after vibrations, 10Hz to 50Hz for 1 minute full amplitude 1.52mm, for 2 hours at 3 axes.	
3-2 Drop Test	To be no interference in operation after dropped to concrete floor each 1 time from 1 meter height at three directions in state of packing	
3-3 Temperature Test	After exposure at 60℃ for 200 hours, the sensitivity to be within ±3dB from the initial value. (The measurement to be done after 2 hours of conditioning at 20℃ R.H.=65%)	
	After exposure at -25℃ for 200 hours, the sensitivity to be within±3dB from the initial value. (The measurement to be done after 2 hours of conditioning at 20℃ R.H.=65%)	
DESIGNED BY	CHECK BY	APPROVED BY
Dele 2012.1.18	Dele 1/8	Dele 1/8

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3-4 Humidity Test	<p>After exposure at 40℃ and 90~95% relative humidity for 200 hours, the sensitivity to be within <math>\pm 3</math> dB from the initial sensitivity.</p> <p>(The measurement to be done after 2 hours of conditioning at 20℃ R.H.=65%)</p>
3-5 Temperature Cycle Test	<p>After exposure at -25℃ for 30 minutes, at 20℃ for 10 minutes, at +60℃ for 30 minutes, at 20℃ for 10 minutes, 5 cycles, the sensitivity to be within <math>\pm 3</math> dB from the initial sensitivity.</p> <p>(The measurement to be done after 2 hours of conditioning at 20℃ R.H.=65%)</p>

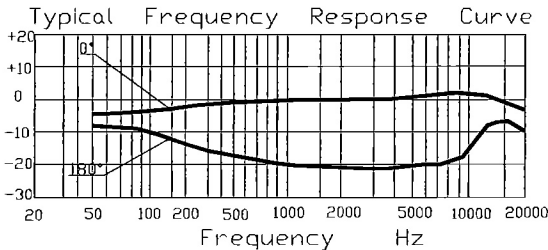
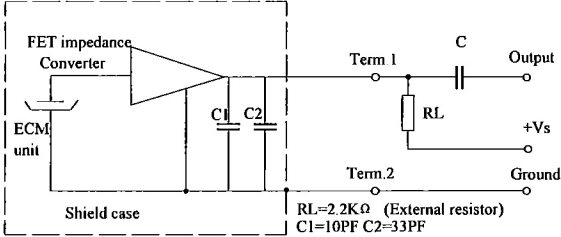
### 4 · Dimensional Drawing (Unit : mm)



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<p>Frequency Response Curve</p>  <p>Typical Frequency Response Curve</p>		<p>Schematic Diagram (Unit : mm)</p> 	
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