



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

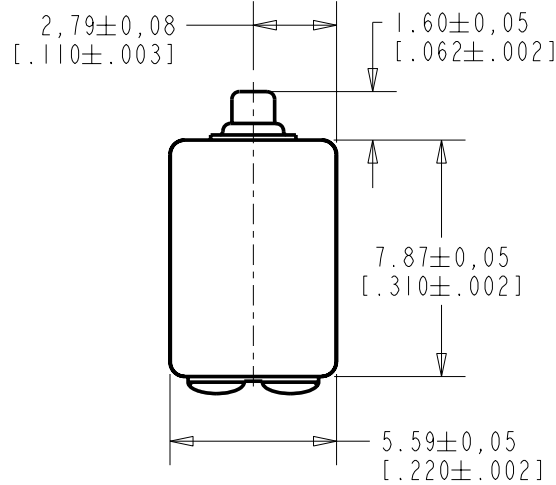
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Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

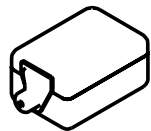
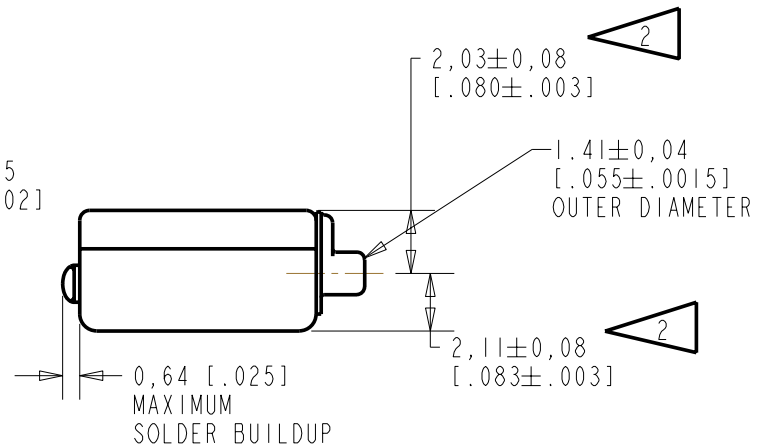
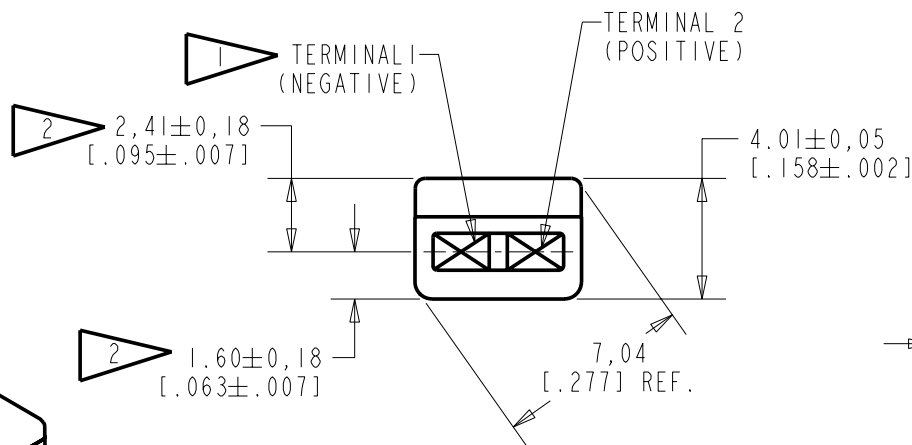


**BJ-21591-000**  
**SHT 1.1**



NOTES:

- 1 A DECREASE IN PRESSURE AT THE SOUND INLET WILL CAUSE A POSITIVE VOLTAGE AT TERMINAL 2 RELATIVE TO TERMINAL 1.
- 2 LOCATED FROM TWO SURFACES FOR CUSTOMER CONVENIENCE. ONLY APPLICABLE FROM ONE SURFACE, NOT TO BE USED TOGETHER.



SCALE 2:1

NOMINAL WEIGHT  
 .66 GRAM

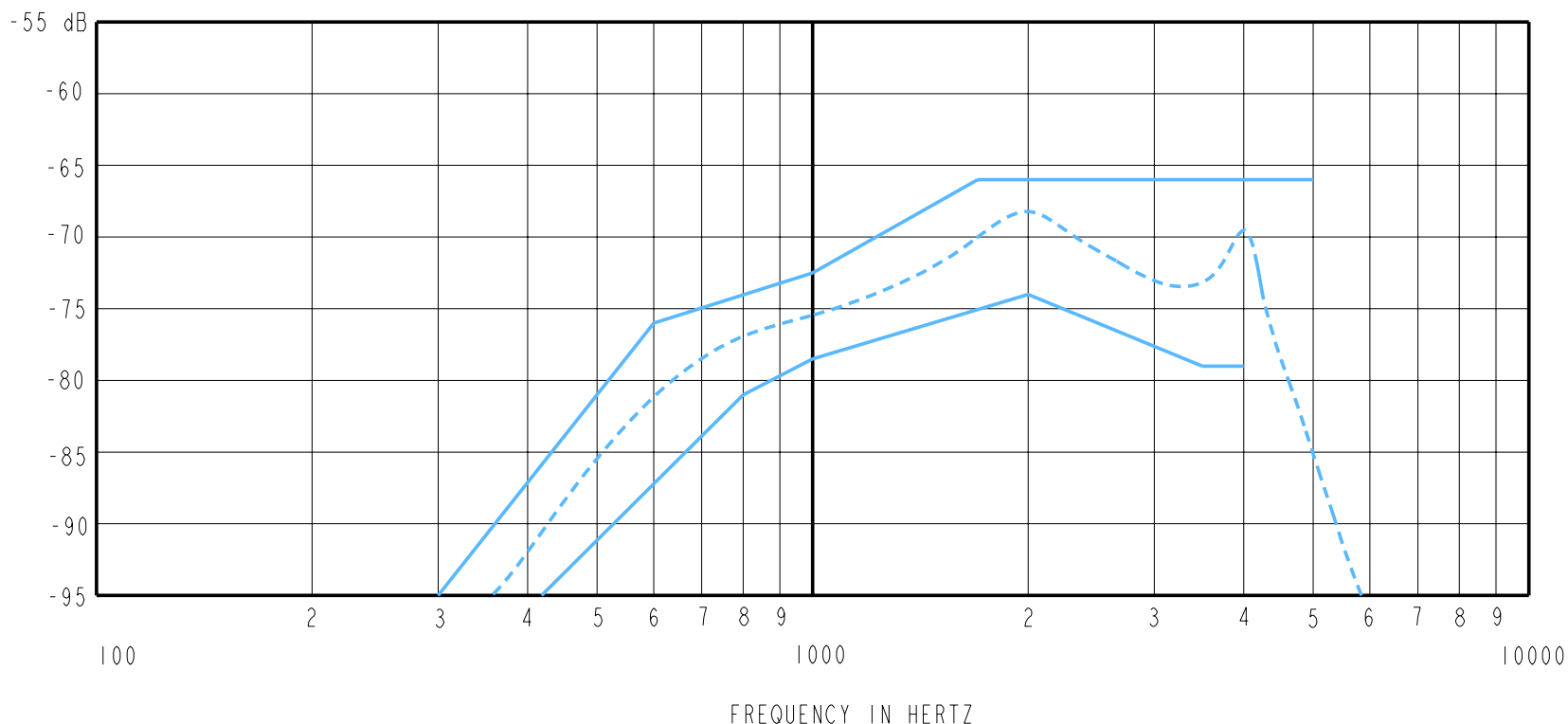
DIMENSIONS IN MILLIMETERS [INCHES]

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
B	C10107322	3-10-08	Active	B
A	C10103470	12-8-05		

SCALE: <b>4:1</b>		DR. BY	DATE
DO NOT SCALE DRAWING		CRG	12-8-05
TITLE: <b>MICROPHONE</b>		CK. BY	DATE
<b>BJ-21591-000</b>		GJP	1-5-06
OUTLINE DRAWING		APP. BY	DATE
<b>SHT 1.1</b>		GJP	1-5-06

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 ITASCA, ILLINOIS U.S.A.

SENSITIVITY IN dB RELATIVE TO 1.0 VOLT/0.1 Pa (N/M<sup>2</sup>)  
FOR CONDITIONS SHOWN BELOW



NOTES:

1. LOAD RESISTANCE FOR SENSITIVITY MEASUREMENT: 5000 OHMS
2. OUTPUT IMPEDANCE AT 1kHz: 3900 OHMS NOMINAL  
REFERENCE IMPEDANCE: 5000 OHMS
3. NOMINAL DC RESISTANCE AT 20°C: 900 OHMS
4. SENSITIVITY

FREQUENCY	MIN.	MAX.
300	---	-95.0
420	-95.0	---
600	---	-76.0
700	-81.0	---
1000	-78.5	-72.5
1700	---	-66.0
2000	-74.0	---
3500	-79.0	---
4000	-79.0	---
5000	---	-66.0

5. PORT LOCATION: 12S

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
B	C10107322	3-10-08	Active	B
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WHEN TEST LIMITS ARE USED TO ESTABLISH INCOMING INSPECTION ACCEPTANCE/REJECTION CRITERIA, CORRELATION OF TEST EQUIPMENT WITH KNOWLES IS ALSO REQUIRED FOR ELIMINATION OF EQUIPMENT AND TEST METHOD VARIATION

TITLE: **MICROPHONE** **BJ-21591-000**  
PERFORMANCE SPECIFICATION **SHT 2.1**

DR. BY	DATE
CRG	12-8-05
CK. BY	DATE
GJP	1-5-06
APP. BY	DATE
GJP	1-5-06