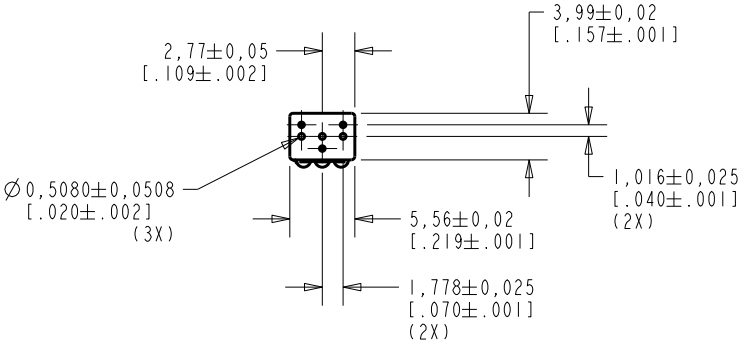
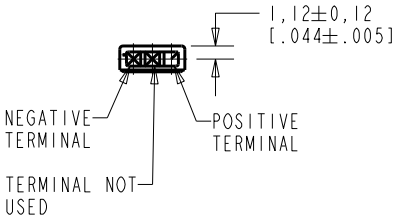
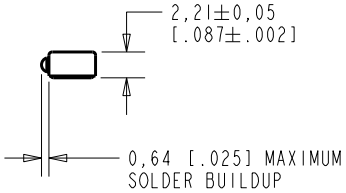
NR-23159-000
SHT 1.1

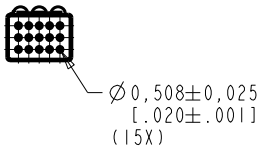


NOTE:

1. INCREASED PRESSURE AT THE SOUND INLET CAUSES A POSITIVE GOING VOLTAGE TO APPEAR AT THE OUTPUT TERMINAL, RELATIVE TO THE NEGATIVE TERMINAL.







NOMINAL WEIGHT
.13 GRAM

DIMENSIONS IN MILLIMETERS [INCHES]

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
			Active	B
B	M10103941	12-8-10		
A	M10100923	12-2-05		

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ITASCA, ILLINOIS U.S.A.

SCALE: 2:1

DO NOT SCALE DRAWING

TITLE: MICROPHONE
OUTLINE DRAWING

NR-23159-000
SHT 1.1

DR. BY	DATE
DMS	12-2-05
CK. BY	DATE
GJP	12-5-05
APP. BY	DATE
GJP	12-5-05

KE11ASIZE.FRM Rev: B

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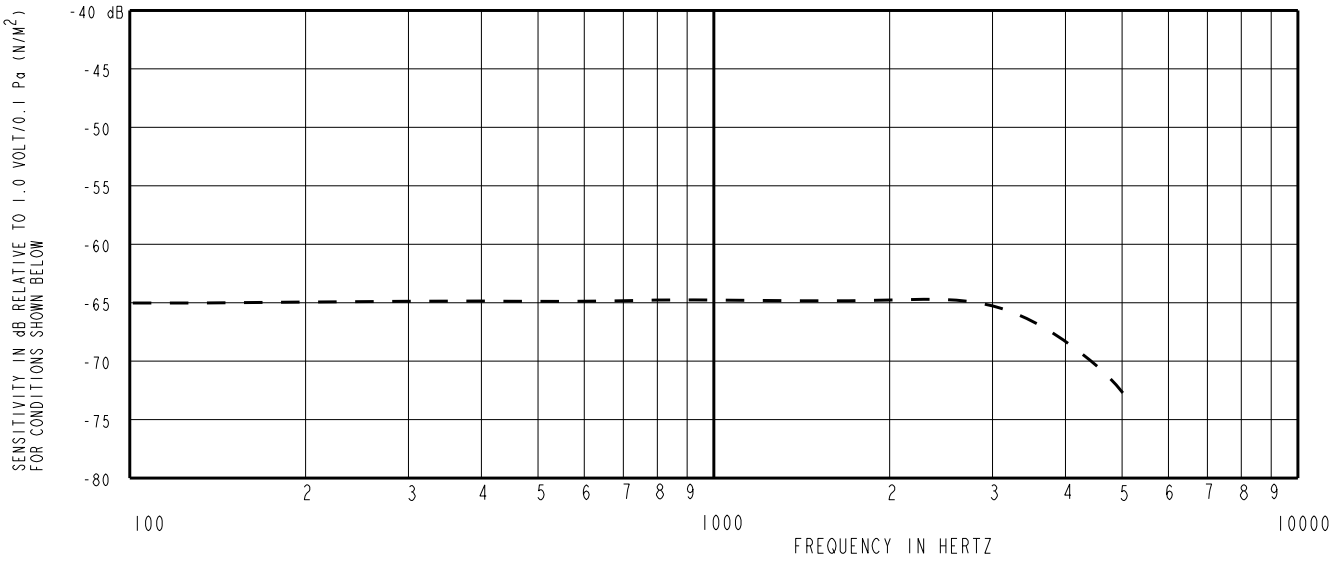
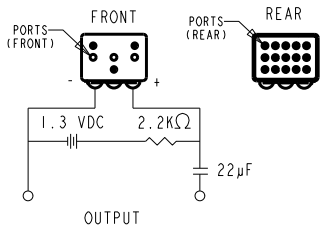
NR-23159-000
SHT 2.1



FREQUENCY	SENSITIVITY MIN.	SENSITIVITY NOM.	SENSITIVITY MAX.	DEVICE CONFORMITY RANGE OF DEVIATION FROM 1 KHz	
100	---	-65.0	---	-2.0	+2.0
1000	-68.0	-65.0	-62.0	0.0	0.0
4000	---	-68.0	---	-6.0	0.0



NOTES:

1. CASE CONNECTED TO NEGATIVE TERMINAL.
2. MICROPHONE TO BE FUNCTIONAL WITH 10 VDC SUPPLY.
3. SENSITIVITY VALUES INDICATED ON THIS SPECIFICATION ARE VALID AT 50% HUMIDITY.
4. PRESSURE DIFFERENCE SENSITIVITY TESTED WITH REAR SOUND PORT SEALED TO AIR VOLUME OF AT LEAST 0.5 CC.

DC SUPPLY	AMPLIFIER CURRENT DRAIN	OUTPUT IMPEDANCE OHMS MIN.	NOM.	MAX.
1.3V	200µA MAX.	1500	2500	3500

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
			Active	B
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A	M10100923	12-2-05		

KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.

SCALE: 2:1
DO NOT SCALE DRAWING

TITLE: MICROPHONE
PERFORMANCE SPECIFICATION

NR-23159-000
SHT 2.1

DR. BY	DATE
DMS	12-2-05
CK. BY	DATE
GJP	12-5-05
APP. BY	DATE
GJP	12-5-05

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