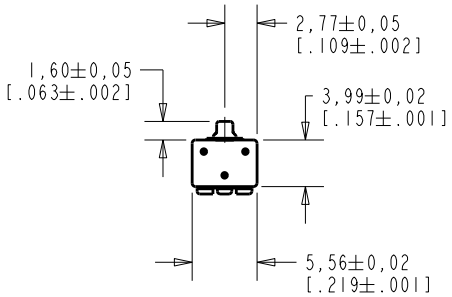
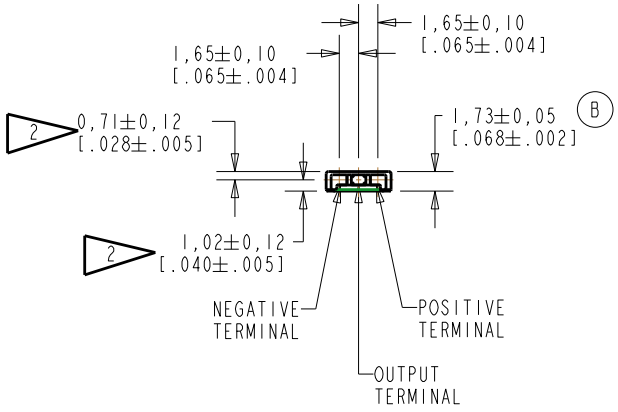
EA-23003-000
SHT 1.1

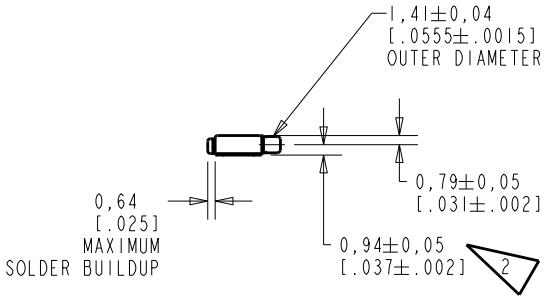


NOTE:

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

2 LOCATED FROM TWO SURFACES FOR CUSTOMER CONVENIENCE. ONLY APPLICABLE FROM ONE SURFACE, NOT TO BE USED TOGETHER. HORIZONTAL LOCATION FOR TERMINAL CENTERED TO ±0,17 [.007].





NOMINAL WEIGHT
.13 GRAM

DIMENSIONS IN MILLIMETERS [INCHES]

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
			Active	B
B	M10102407	12-18-08		
A	M10101557	8-14-07		

KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.

SCALE: 2:1

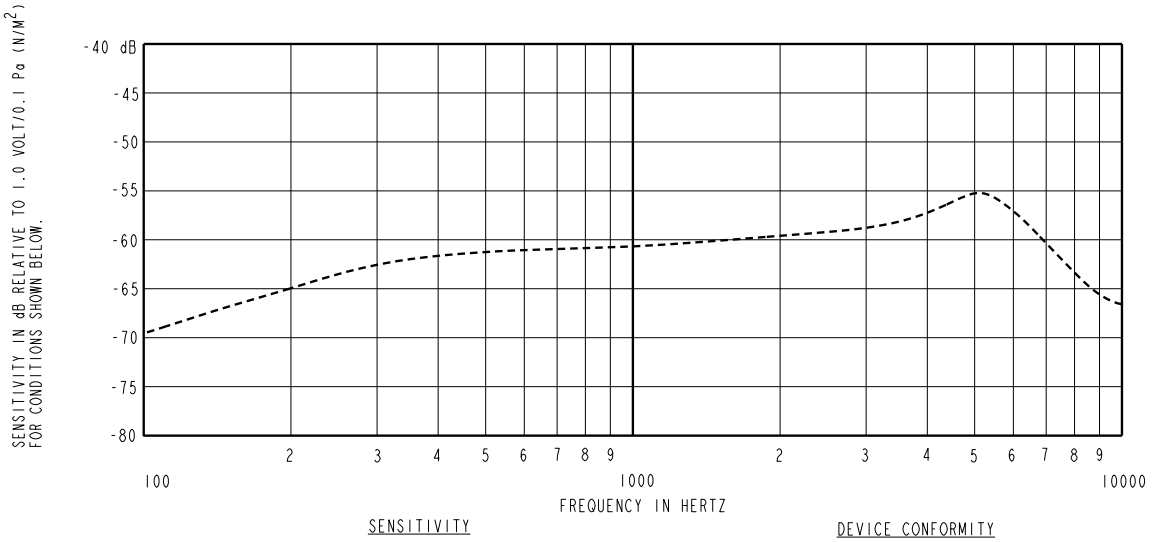
DO NOT SCALE DRAWING

TITLE: MICROPHONE
OUTLINE DRAWING

EA-23003-000
SHT 1.1

	DR. BY	DATE
	CRG	8-14-07
	CK. BY	DATE
	GJP	8-16-07
	APP. BY	DATE
	GJP	8-16-07

KE11ASIZE.FRM Rev: B

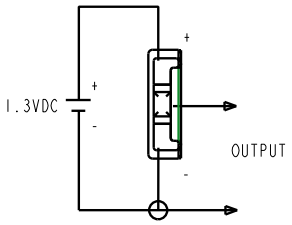


SENSITIVITY

FREQUENCY	MIN.	NOM.	MAX.
100	---	-69.5	---
1000	-64.0	-61.0	-58.0
≈5200	---	-55.5	---

DEVICE CONFORMITY

RANGE OF DEVIATION FROM 1KHz	
-12.5	-5.5
0.0	0.0
+2.5	+8.5



NOTES:

1. CASE CONNECTED TO NEGATIVE TERMINAL.
2. MICROPHONE TO BE FUNCTIONAL WITH 10 VDC SUPPLY.

PORT LOCATION	DC SUPPLY	AMPLIFIER CURRENT DRAIN	SENSITIVITY CHANGE ON REDUCING SUPPLY TO 0.9VDC	"A" WEIGHTED NOISE (1 kHz EQUIV. SPL)	OUTPUT IMPEDANCE OHMS			CAPACITANCE ±50%	
					MIN.	NOM.	MAX.	1-2	1-3
12S	1.3V	50 uA MAX.	3 dB MAX.	30.5 dB MAX.	2000	3800	6000	NA	NA

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
B	M10102407	12-18-08	Active	B
A	M10101557	8-14-07		

KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.

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

DR. BY	DATE
CRG	8-14-07
CK. BY	DATE
GJP	8-16-07
APP. BY	DATE
GJP	8-16-07

TITLE: MICROPHONE
PERFORMANCE SPECIFICATION

EA-23003-000
SHT 2.1