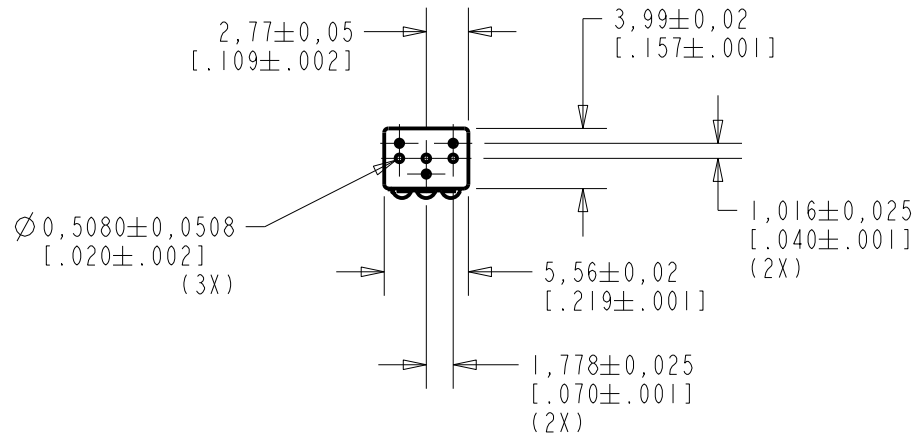


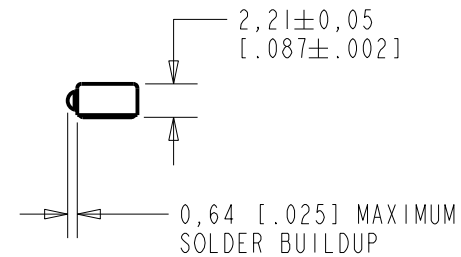
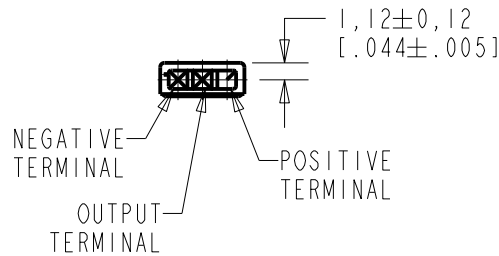
NR-25994-000
SHT 1.1



NOTE:

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

RED CONTROLLED



NOMINAL WEIGHT
.13 GRAM



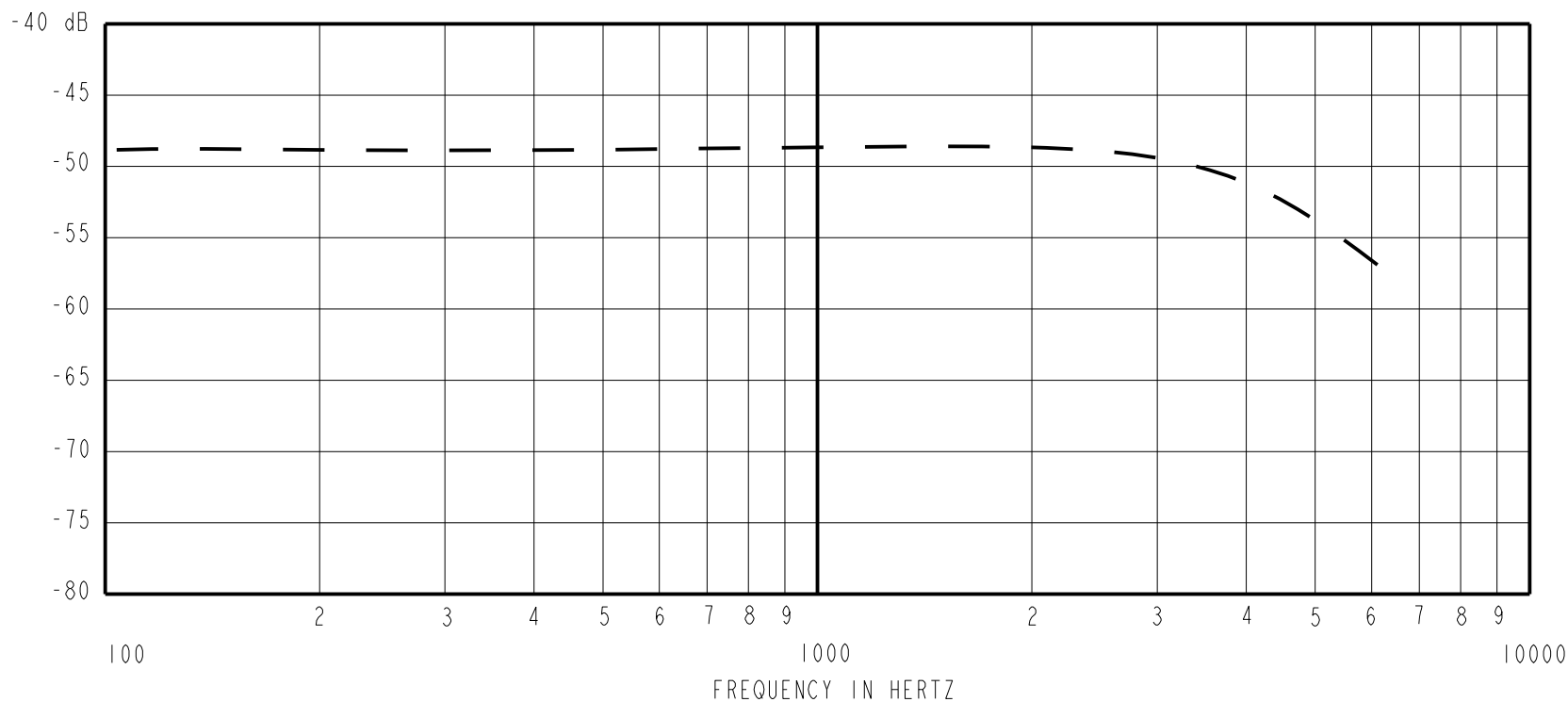
Ø 0.508±0.025
[.020±.001]
(15X)

DIMENSIONS IN MILLIMETERS [INCHES]

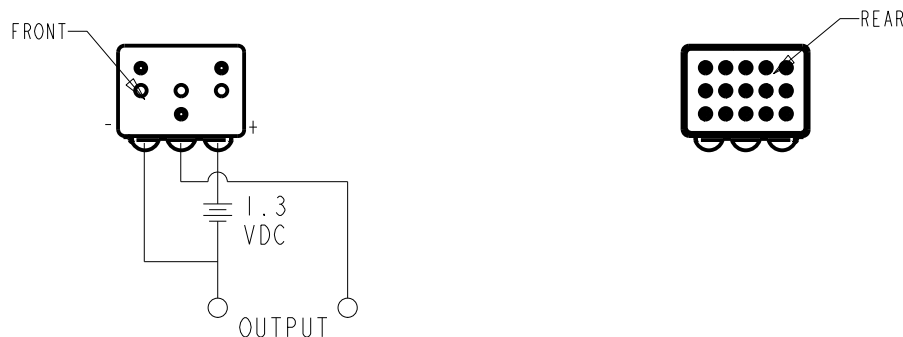
KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
			Active	D
D	MI0105063	5-07-13		
SCALE: 2:1				
DO NOT SCALE DRAWING			DR. BY	DATE
TITLE: MICROPHONE			SDZ	7-17-06
			NR-25994-000	
OUTLINE DRAWING			GJP	7-17-06
			SHT 1.1	
			GJP	7-17-06

SENSITIVITY IN dB RELATIVE TO 1.0 VOLT/0.1 Pa (N/M²)
FOR CONDITIONS SHOWN BELOW.



FREQUENCY	SENSITIVITY			DEVICE CONFORMITY	
	MIN.	NOM.	MAX.	RANGE OF DEVIATION FROM 1KHz	
100	---	-49.0	---	-2.0	+2.0
1000	-52.0	-49.0	-46.0	0.0	0.0
4000	---	-51.0	---	-5.0	+1.0



NOTES:

- CASE CONNECTED TO NEGATIVE TERMINAL.
- MICROPHONE TO BE FUNCTIONAL WITH 10 VDC SUPPLY.
- SENSITIVITY VALUES INDICATED ON THIS SPECIFICATION ARE VALID AT 50% HUMIDITY.
- PRESSURE DIFFERENCE SENSITIVITY TESTED WITH REAR SOUND PORT SEALED TO AIR VOLUME OF AT LEAST 0.5 CC.
- VL SPEC: 0.15 - 0.90V

RED CONTROLLED

PORT LOCATION	DC SUPPLY	AMPLIFIER CURRENT DRAIN	OUTPUT IMPEDANCE OHMS			"A" WEIGHTED NOISE [RE 1.0 V]
			MIN.	NOM.	MAX.	
Ka, Ja	1.3V	50uA MAX.	2800	4400	6800	-99 dB MAX.

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
D	M10105063	5-8-13	Active	D

KNOWLES ELECTRONICS
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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**
PERFORMANCE SPECIFICATION

NR-25994-000
SHT 2.1




DR. BY	DATE
SDZ	7-17-06
CK. BY	DATE
GJP	7-17-06
APP. BY	DATE
GJP	7-17-06

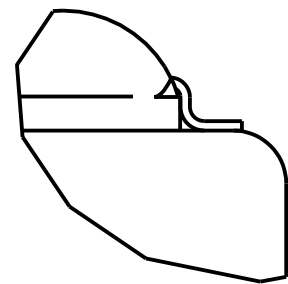
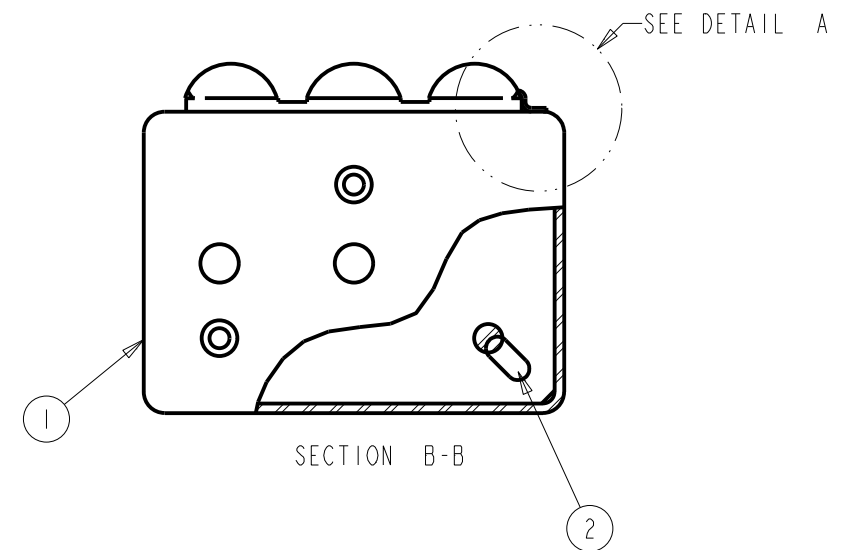
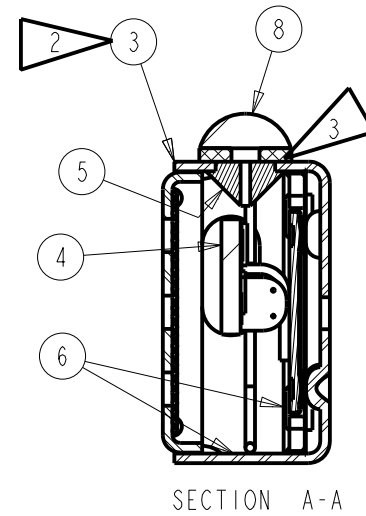
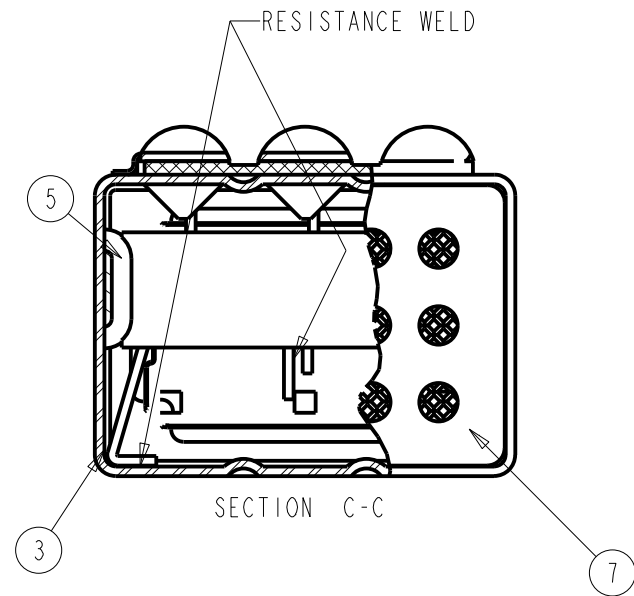
NR-25994-000

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RED CONTROLLED


NOTES:

- 1. ITEM NUMBERS (SHOWN THUS ) ON DRAWING CORRESPOND WITH ITEM NUMBERS ON BILL OF MATERIAL.
-  AIRTIGHT SEAL ALL AROUND.
-  WEB ON ITEM (4) TO EXTEND OVER METALLIZED AREA OF TAB ON ITEM (1).



SCALE 25:1

DIMENSIONS IN MILLIMETERS [INCHES]

MATERIAL		SEE BILL OF MATERIALS		FINISH		---		RELEASE LEVEL	REVISION
								Active	D
								SCALE: 10:1	DO NOT SCALE DRAWING
REF.	NONE					<p>KNOWLES ELECTRONICS ITASCA, ILLINOIS U.S.A.</p>		DR. BY	DATE
A	c.o. M10101181							SDZ	7-17-06
B	c.o. M10101282							CH. BY	DATE
	ADDED GROUND WIRE LSY 11-20-06							GJP	7-17-06
C	c.o. M10101377							APP. BY	DATE
	MODIFIED SHEET 2.1 ADDED SHEET 5.1 CRG 1-17-07							GJP	7-17-06
D	c.o. M10105063								
	UPDATE THE REVISION 00 5-7-13								
				THIRD ANGLE PROJECTION		TITLE		NR-25994-000	
						MICROPHONE ASSEMBLY		SHEET 3.1	

NR-25994-000	KNOWLES ELECTRONICS ITASCA, ILLINOIS U.S.A.	NR-25994-000
Sheet 4.1		Sheet 4.1
Dr. By Date SDZ 7-17-06	MICROPHONE ASSEMBLY	Revision D
Ch. GJP 7-17-06		Release Level
App. GJP 7-17-06		Active

COL. 1	2	3	4	Item No.	Line No.
Part or Dwg. no.	Tot. Req.	Nomenclature:	Applicable Specs or Remarks		
NR-100	1	ASSEMBLY CUP & TAB		1	1
NR-102	1	RING, FILM & PLATE ASSEMBLY		2	2
(D) 13-092-080101	A/R	CEMENT		3	3
EK02-282	1	CIRCUIT ASSEMBLY WITH WIRES		4	4
(D) 13-092-080704	A/R	CEMENT		5	5
(D) 13-138-314	A/R	CEMENT		6	6
NR-114	1	ASSEMBLY CUP & SCREEN		7	7
285-007-001	A/R	SOLDER LEAD FREE		8	8

RED CONTROLLED

REVISION	A c.o. M10101181	B c.o. M10101282	C c.o. M10101377	D c.o. M10105063
	ADDED GROUND WIRE LSY 11-20-06	MODIFIED SHEET 2.1 ADDED SHEET 5.1 CRG 1-17-07	13-092-080101 WAS 13-092 13-092-080704 WAS 13-092 13-138-314 WAS 13-138 00 5-07-13	

NR-25994-000
Sheet **4.1**

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REV: D

PRODUCTION TEST INFORMATION

SOFTWARE REVISION GPIB FCAMT	SOFTWARE 5.2 MIN.
HARDWARE REVISION GPIB FCAMT	KE 10698.10A MIN.

RED CONTROLLED

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
			Active	D
D	MI0105063	5-07-13		

<p>KNOWLES ELECTRONICS ITASCA, ILLINOIS U.S.A.</p>	<p>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</p>	<p>DR. BY DATE SDZ 7-17-06</p>
	<p>TITLE: MICROPHONE</p>	<p>GJP 7-17-06</p>
	<p>PERFORMANCE SPECIFICATION</p>	<p>APP. BY DATE GJP 7-17-06</p>
	<p>NR-25994-000 SHT 5.1</p>	