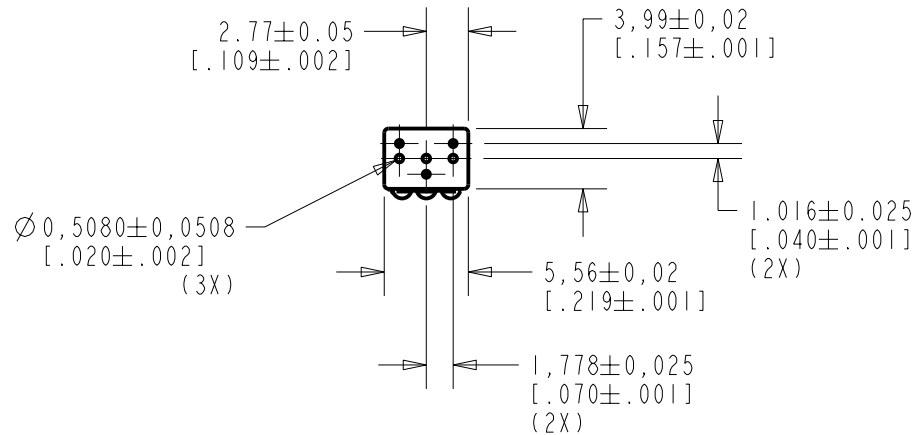
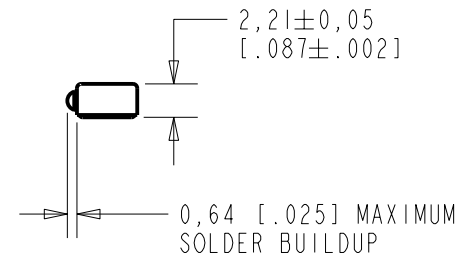
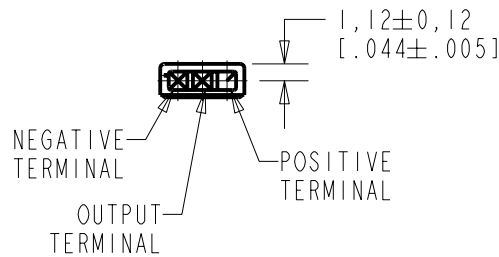


NR-25994-000
SHT 1.1

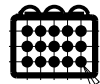


NOTE:

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



NOMINAL WEIGHT
.13 GRAM



Ø 0.508±0.025
[.020±.001]
(15X)

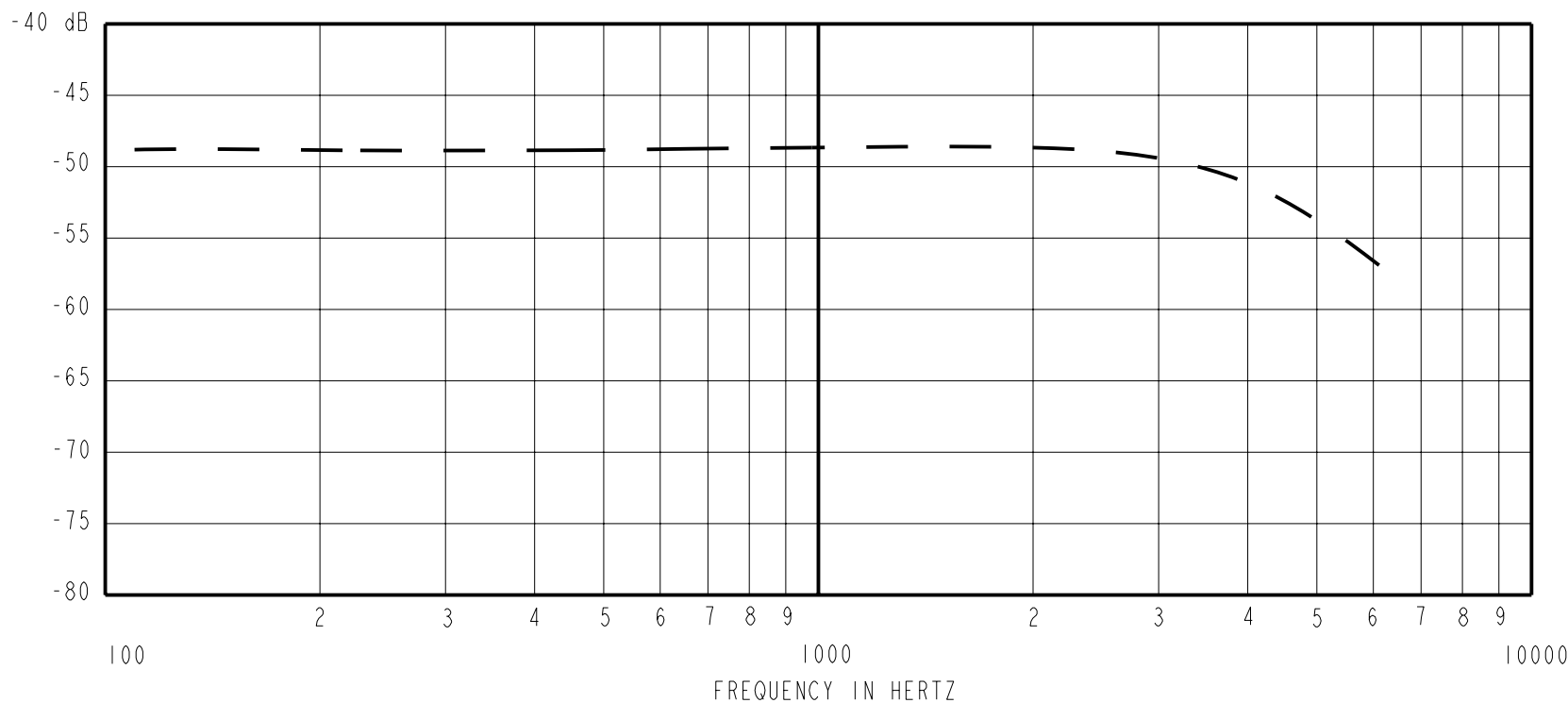
DIMENSIONS IN MILLIMETERS [INCHES]

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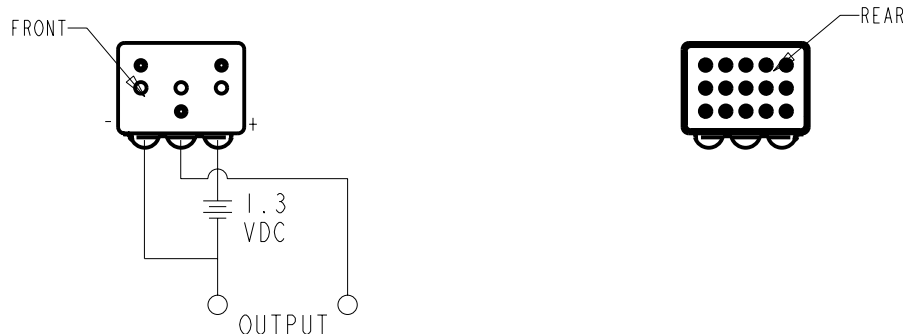
Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
C	MI0101377	1-17-07	Released	C
B	MI0101282	11-20-06		
A	MI0101181	7-17-06		

SCALE: 2:1		DR. BY: SDZ	DATE: 7-17-06
DO NOT SCALE DRAWING			
TITLE: MICROPHONE		NR-25994-000	
OUTLINE DRAWING		SHT 1.1	
		APP. BY: GJP	DATE: 7-17-06
		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

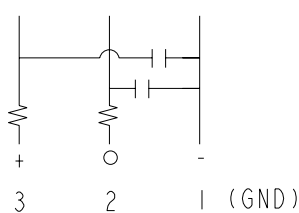


NOTES:

- 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
- CAPACITANCE MEASUREMENT MADE WITH BOONTON MODEL 7200 OR EQUIVALENT WITH APPLIED AC VOLTAGE OF 15 mVOLTS AT 1 kHz AND 0 VDC. INCLUDES CIRCUIT CAPACITANCE IN PARALLEL WITH CAPACITOR.

PORT LOCATION	DC SUPPLY	AMPLIFIER CURRENT DRAIN	OUTPUT IMPEDANCE OHMS			CAPACITANCE ± 50%		
			MIN.	NOM.	MAX.	OUTPUT TO NEGATIVE	OUTPUT TO POSITIVE	POS. TO NEGATIVE
Ka, Ja	1.3V	50uA MAX.	2800	4400	6800	75 pF	N/A	75 pF

CAPACITANCE PROBE POINTS



Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
C	M10101377	1-17-07	Released	C
B	M10101282	11-20-06		
A	M10101181	7-17-06		

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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	NR-25994-000
	PERFORMANCE SPECIFICATION	SHT 2.1

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