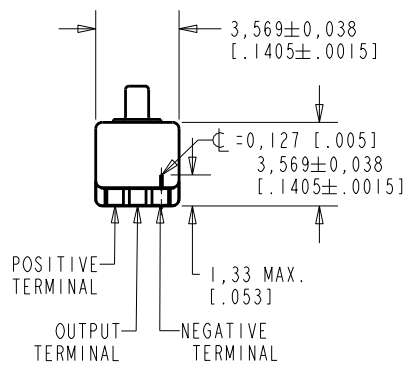
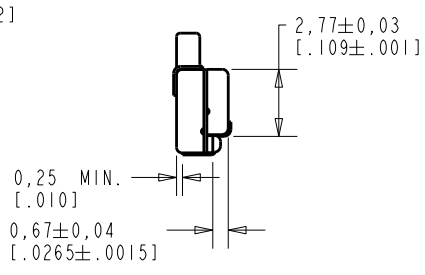
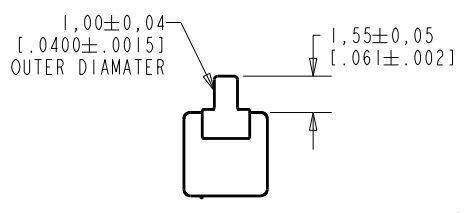
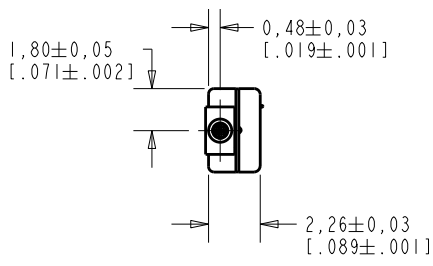


EM-26596-D58
SHT 1.1

NOTE:

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



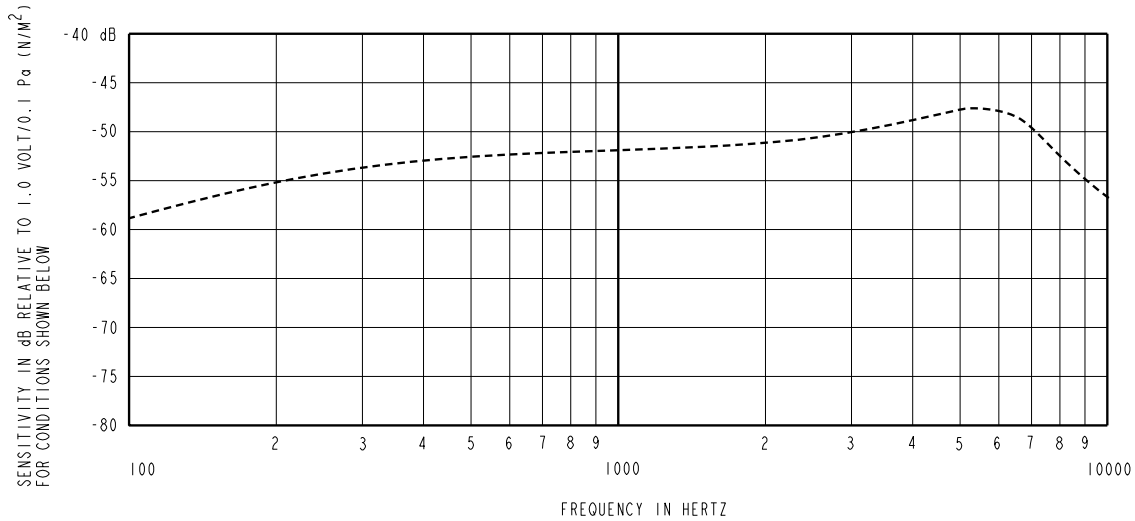
SCALE 2:1

NOMINAL WEIGHT
.08 GRAMS

DIMENSIONS IN MILLIMETERS [INCHES]

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
B	M10102070	12-30-08	Active	B
A	M10101141	7-7-06		
SCALE: 4:1			DR. BY	DATE
DO NOT SCALE DRAWING			AB	7-7-06
			CK. BY	DATE
TITLE: MICROPHONE		EM-26596-D58	GJP	7-10-06
			APP. BY	DATE
OUTLINE DRAWING		SHT 1.1	GJP	7-10-06

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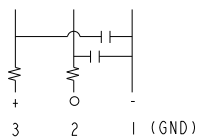
FREQUENCY	SENSITIVITY			DEVICE CONFORMITY	
	MIN.	NOM.	MAX.	RANGE OF DEVIATION FROM 1 KHz	
100	---	-59.0	---	-10.0	-3.0
1000	-55.0	-52.0	-49.0	0.0	0.0
≈5000	---	-47.5	---	+1.5	+7.5

NOTES:

- CASE CONNECTED TO NEGATIVE TERMINAL.
- MICROPHONE TO BE FUNCTIONAL WITH 1.6 VDC SUPPLY.
- TYPICAL SENSITIVITY TO HUMIDITY AT 1000Hz IS 0.03 dB/%RH
- SENSITIVITY AND NOISE VALUES INDICATED ON THIS SPECIFICATION ARE VALID AT 50% HUMIDITY.
- CAPACITANCE MEASUREMENT MADE WITH BOONTON MODEL 7200 OR EQUIVALENT WITH APPLIED AC VOLTAGE OF 15 mVOLTS AT 1MHz AND 0 VDC. INCLUDES CIRCUIT CAPACITANCE IN PARALLEL WITH CAPACITOR.

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
1.3V	50 uA MAX.	3 dB MAX.	28.0 dB MAX.	2800	4400	6800	85pF	75pF

CAPACITANCE PROBE POINTS



Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
B	M10102070	12-30-08	Active	B
A	M10101141	7-7-06		

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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		DR. BY	DATE
TITLE: MICROPHONE		AB	7-7-06
PERFORMANCE SPECIFICATION		DATE	
EM-26596-D58		GJP	7-10-06
SHT 2.1		APP. BY	DATE
		GJP	7-10-06