NOTE:

TITLE:

 $,61\pm0,06$

-POSITIVE

TERMINAL

 $[.0635 \pm .0025]$

EL-23078-000

SHT I.I

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

 $1,63\pm0,10$ $[.064 \pm .004]$ $1,63\pm0,10$ $[.064 \pm .004]$ $2,27\pm0,05$ $,12\pm0,12$. 044±.005] $[.087\pm.002]$ XXX 4 1,07±0,12

OUTPUT-

TERMINAL

[.042±.005]

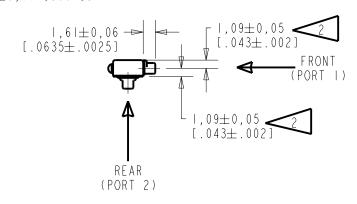
NEGATIVE-

TERMINAL

 $5,56\pm0,05$ $[.219\pm.002]$ $1,97\pm0,05$ $[.078 \pm .002]$ 0.64 [.025] MAXIMUM 3.99 ± 0.05 SOLDER BUILDUP $[.157 \pm .002]$ $2,76\pm0,05$ $,41\pm0,04$ $[.109\pm.002]$ $[.0555\pm.0015]$ OUTER DIAMETER

NOMINAL WEIGHT .13 GRAM DIMENSIONS IN MILLIMETERS [INCHES]

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].



Revision Implementation Date RELEASE LEVEL REVISION C.O. # Released Α MI0101145 5-17-06 SCALE: 2:1

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MICROPHONE

DO NOT SCALE DRAWING

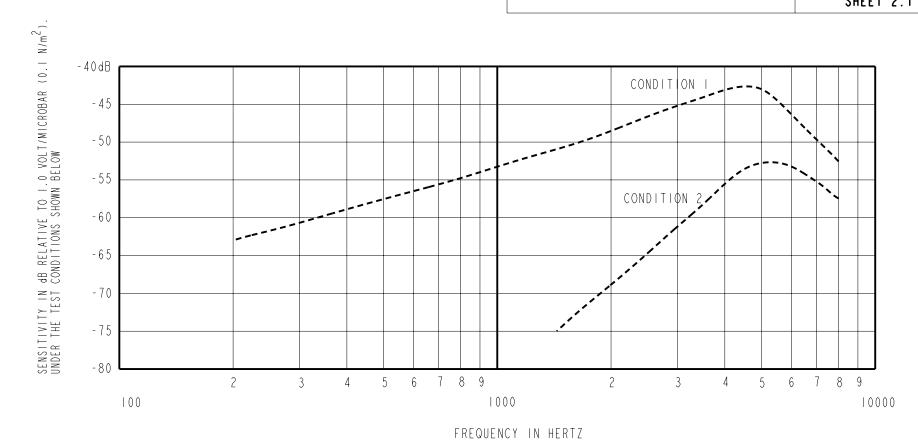
OUTLINE DRAWING

EL-23078-000 SHT I.I

CK. BY DATE GJP 5-19-06 APP. BY DATE 5-19-06

MMM

5-17-06



CONDITION I SENSITIVITY

	CONDII	IUN	I JLI	1011111	1.1
FREQU	ENCY	MII	N .	NOM.	MAX.
3400-	300 1000 5400	 - 5 5 . 	0	-63.0 -53.0 -43.0	 - 5 I . 0

DEVICE CONFORMITY

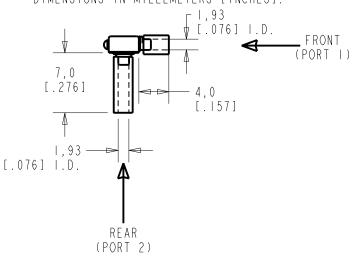
KANGE	OF DEVIAL	TON FROM I KHZ
CONDI	TION I	CONDITION 2
-8.5	-11.5	
0.0	0.0	-20.0 MIN.
+5.0	+15.0	

NOTES:

- I. MICROPHONE TO BE FUNCTIONAL WITH IOVDC SUPPLY.
- 2. TYPICAL SENSITIVITY TO HUMIDITY AT 1000 Hz IS 0.03 dB/%RH.
- 3. SENSITIVITY AND NOISE VALUES INDICATED ON THIS SPECIFICATION ARE VALID AT 50% HUMIDITY.
- 4. CASE CONNECTED TO NEGATIVE TERMINAL.

PORT	DC	AMPLIFIER	SENSITIVITY CHANGE ON REDUCING SUPPLY	"A" WEIGHTED NOISE	OUTPUT	IMPEDANO	CE OHMS
LOCATION	SUPPLY	CURRENT DRAIN	TO 0.9VDC	(RE I.O VOLT)	MIN.	NOM.	MAX.
12S, OK	1.3V	50 μΑ MAX	3 dB MAX.	-100.0 dB MAX.	2800	4400	6800

TEST CONDITIONS WITH TUBING AND SIGNALS DESCRIBED BELOW: DIMENSIONS IN MILLEMETERS [INCHES].



1.3 VDC |+ OUTPUT

SIGNAL "A" IS A REFERENCE SIGNAL OF 1.0 MICROBAR. SIGNAL "B" IS A PROBE SIGNAL DELAYED 56.8 MICROSECONDS WITH RESPECT TO SIGNAL "A" AND HAVING 0.981 TIMES THE AMPLITUDE.

FOR CONDITION I

FOR CONDITION 2

SIGNAL "A" IS APPLIED TO PORT I SIGNAL "B" IS APPLIED TO PORT 2

TITLE:

SIGNAL "A" IS APPLIED TO PORT 2 SIGNAL "B" IS APPLIED TO PORT I

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
			_	A
			l Released	ΙΔΙ
А	M10101145	5-17-06		/ \
			1	

DATE 5-17-06

DATE

5 - I <u>9 - 06</u>

DATE

5-19-06

CK. BY

GJP

GJP

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WHEN TEST LIMITS ARE USED TO ESTABLISH INCOMING INSPECTION ACCEPTANCE/REJECTION PR. BY CRITERIA, CORRELATION OF TEST EQUIPMENT WITH KNOWLES IS ALSO REQUIRED FOR ELIMINATION OF EQUIPMENT AND TEST METHOD VARIATION

:	MICROPHONE	EL-23078-000
	PERFORMANCE SPECIFICATION	SHT 2.1