EK-23133-C36

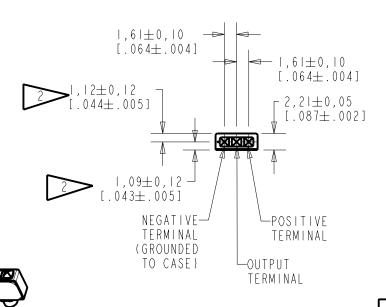
SHT I.I

NOTE

I. 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  $\pm 0.17$  [.007].



 $1,87\pm0,06-$ 

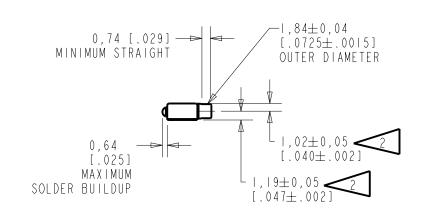
 $[.0735 \pm .0025]$ 

 $-2,77\pm0,05$ 

 $[.109\pm.002]$ 

- 3,99±0,02 - [.|57±.00|]

5,56±0,02 [.219+.001]



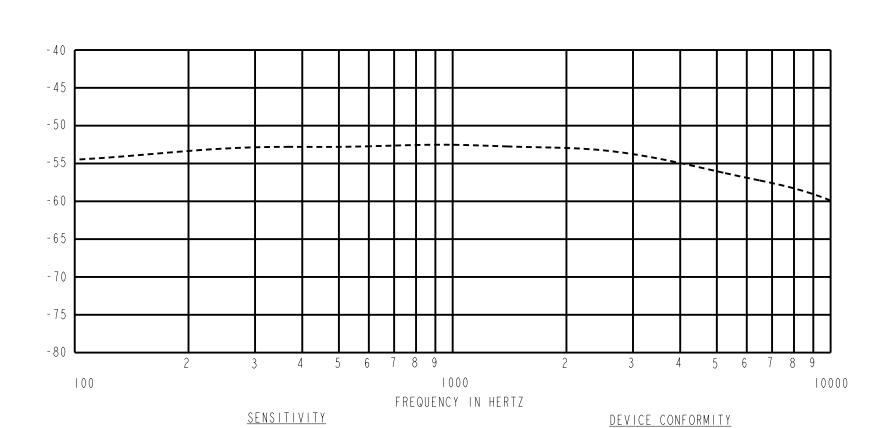
NOMINAL WEIGHT .13 GRAM

DIMENSIONS IN MILLIMETERS [INCHES]

KNOWLES ELECTRONICS ITASCA, ILLINOIS U.S.A.

Revision	C.O. #	Implementation Dat	RELEASE LEVEL	REVISION	
A	M10101058	3-22-06	Released		A
SCALE:		2:1		DR. BY	DATE
DO NOT SCALE DRAWING					3 - 22 - 06 DATE
TITLE:	MIC	ROPHONE	EK-23133-C36	CRG APP. BY	3 - 3   - 0 6
	OUTL	INE DRAWING	SHT I.I	AB	3 - 3   - 06

SENSITIVITY IN dB RELATIVE TO 1.0 VOLT/0.1 Pa (N/M $^2$ ) FOR CONDITIONS SHOWN BELOW.



MAX.

- - -

-51.0

FREQUENCY

100

1000

8000

NOTES:

I. CASE CONNECTED TO NEGATIVE TERMINAL.

- 2. MICROPHONE TO BE FUNCTIONAL WITH 10 VDC SUPPLY.
- 3. CONFORMS TO REQUIREMENTS SHOWN ON 'ELECTRET MICROPHONE ENVIRONMENTAL QUALIFICATIONS TEST, EK-PA SHEET 2.2' WITH REF. FREQ. OF 1000 Hz.

NOM.

-54.5

-53.0

- 58.5

4. TYPICAL SENSITIVITY TO HUMIDITY AT 1000 Hz IS 0.02 dB/%RH.

MIN.

- - -

-55.0

5. SENSITIVITY AND NOISE VALUES INDICATED ON THIS SPECIFICATION ARE VALID AT 50% HUMIDITY.

PORT	DC	AMPLIFIER	SENSITIVITY CHANGE	"A" WEIGHTED NOISE	OUTPUT IMPEDANCE OHMS		CAPACITANCE ±50%		
LOCATION	SUPPLY	CURRENT DRAIN	TO 0.9VDC	(I kHz EQUIV. SPL)	MIN.	NOM.	MAX.	1 - 2	I - 3
128	1.3V	50 μA MAX.	3 dB MAX.	26.0 dB MAX.	2800	4400	6800	75pF	75pF

## CAPACITANCE PROBE POINTS

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
			<u>_</u>	
			l Released	ΙΔ
Α	M10101058	3-22-06		'\
				,

DATE

RANGE OF DEVIATION FROM IKHZ

0.0

0.0

-2.5

-5.0

0.0

-8.5

**KNOWLES ELECTRONICS** ITASCA, ILLINOIS U.S.A.

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

ELIMINATION OF EQUIPMENT AND TEST METHOD VARIATION	MMM	3-22-06	
	CK. BY	DATE	
MICROPHONE	EK-23133-C36	CRG	3-31-06
		APP. BY	DATE
PERFORMANCE SPECIFICATION	SHT 2.1	AB	3-31-06