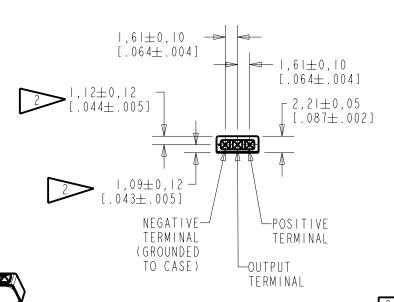
EK-23033-C36

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.

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].



 1.61 ± 0.06 $[.0635 \pm .0025]$

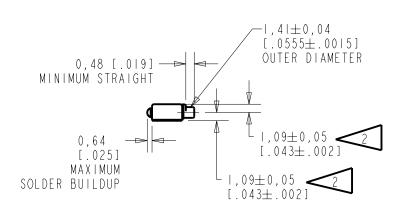
→ 2,77±0,05

 $[.109 \pm .002]$

 $3,99\pm0,02$

 $5,56\pm0,02$ $[.219\pm.001]$

 $[.157\pm.001]$



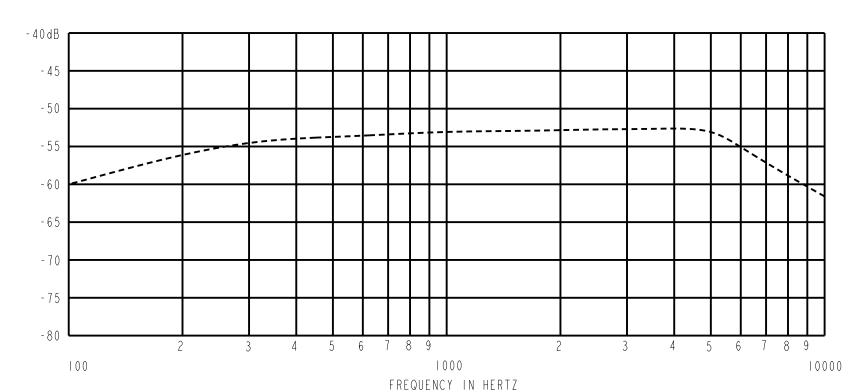
NOMINAL WEIGHT 13 GRAM

DIMENSIONS IN MILLIMETERS [INCHES]

KNOWLES ELECTRONICS ITASCA, ILLINOIS U.S.A.

Revision	C.O. # Implementation Date RELEASE LEVEL				REVISION
A	M10101061	3 - 22 - 06	Release	e d	A
SCALE:		2:1		DR. BY	DATE
	MMM CK. BY	3 - 22 - 06 DATE			
TITLE:	MIC	ROPHONE	EK-23033-C36	CRG APP. BY	3 - 3 - 0 6 DATE
	OUTL	INE DRAWING	SHT I.I	AB LASTZELERM	4 - 3 - 06 Rev: B





<u>SENSITIVITY</u> MIN. NOM. MAX. -60.0 - - -- - --55.0 -53.0 -51.0

-52.5

<u>DEVICE CONFORMITY</u> RANGE OF DEVIATION FROM IKHZ - | | . 0 -4.0 0.0 0.0 - 3.0 +4.0

NOTES:

FREQUENCY

100

1000

4500

- 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.
- 4. TYPICAL SENSITIVITY TO HUMIDITY AT 1000 Hz IS 0.02 dB/%RH.
- 5. SENSITIVITY AND NOISE VALUES INDICATED ON THIS SPECIFICATION ARE VALID AT 50% HUMIDITY.
- 6. 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	SENSITIVITY CHANGE ON REDUCING SUPPLY TO 0.9VDC	"A" WEIGHTED NOISE (I kHz EQUIV. SPL)	OUTPUT IMPEDANCE OHMS		CAPACITANCE ±50%			
					MIN.	NOM.	MAV	OUTPUT TO NEGATIVE	OUTPUT TO POSITIVE	POS. TO NEGATIVE
128	1.3V	50 μΑ MAX.	3 dB MAX.	26.0 dB MAX.	2800	4400	6800	75pF	N/A	75pF

CAPACITANCE PROBE POINTS

Revision	C.O. #	Implementation Date	RELEASE LEVEL		REVISION
			Released		Δ
А	M10101061	3-22-06			
WHEN TEST I	LIMITS ARE US	SED_TO_ESTABLISH_INCOMING	INSPECTION ACCEPTANCE/REJECTION	DR. BY	DATE

KNOWLES ELECTRONICS ITASCA, ILLINOIS U.S.A.

CRITERIA, CORRELATION OF TEST EQUIPMENT WITH KNOWLES IS ALSO REQUIRED FOR ELIMINATION OF EQUIPMENT AND TEST METHOD VARIATION MMM 3-22-06 CK. BY DATE 3 - <u>3</u> I - 06 MICROPHONE EK-23033-C36 CRG APP. BY DATE PERFORMANCE SPECIFICATION SHT 2.1

ΑВ

4 - 3 - 06