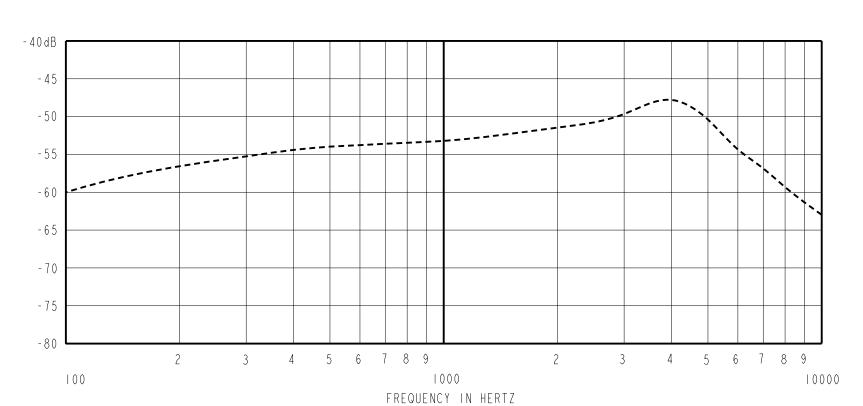
EK-26597-C36 SHT I.I NOTE 0,48 [.019] — MINIMUM STRAIGHT  $2,77\pm0,05$ I. INCREASED PRESSURE AT THE SOUND INLET CAUSES  $[.109\pm.002]$ A POSITIVE GOING VOLTAGE TO APPEAR AT THE OUTPUT  $1.61 \pm 0.06$ TERMINAL, RELATIVE TO THE NEGATIVE TERMINAL.  $[.0635 \pm .0025]$  $3,99\pm0,02$ LOCATED FROM TWO SURFACES FOR CUSTOMER  $[.157\pm.001]$ CONVENIENCE. ONLY APPLICABLE FROM ONE SURFACE, NOT TO BE USED TOGETHER. HORIZONTAL LOCATION FOR TERMINAL CENTERED TO  $\pm 0$ , I7 [.007].  $1,97\pm0,05$  $[.078 \pm .002]$  $5,56\pm0,02$  $[.219\pm.001]$  $1,61\pm0,10$  $[.064 \pm .004]$  $1,41\pm0,04 1,61\pm0,10$  $[.0555 \pm .0015]$  $[.064 \pm .004]$ OUTER DIAMETER  $2.21 \pm 0.05$ 1,12±0,12 < ,09±0,05 .043±.002]  $[.087 \pm .002]$  $[.044 \pm .005]$  $0.09\pm0.05$ - 0,64  $[.043\pm .002]$ 1,09±0,12 **\_** [.025] [.043±.005] MAXIMUM NEGATIVE--POSITIVE SOLDER BUILDUP TERMINAL TERMINAL OUTPUT-TERMINAL C.O. # Implementation Date RELEASE LEVEL REVISION Revision NOMINAL WEIGHT B Active MI0I04944 2-27-13 В .13 GRAM DIMENSIONS IN MILLIMETERS [INCHES] 3-23-07 Α MI0I0I430 SCALE: DR. BY 2:1 **KNOWLES ELECTRONICS** MMM 3-23-07 DO NOT SCALE DRAWING CK. BY DATE ITASCA, ILLINOIS U.S.A. TITLE: MICROPHONE EK-26597-C36 GJP 3-26-07 APP. BY DATE OUTLINE DRAWING SHT I.I GJP 3-26-07





<u>SENSITIVITY</u>

FREQUENCY MIN. NOM. MAX. - - -- - --60.0 -55.0 -51.0 1000 -53.0 3000-5000 -48.5

<u>DEVICE CONFORMITY</u>

RANGE OF DEVIATION FROM IKHZ - | | . 0 - 4 . 0 0.0 0.0 + | . 5 +7.5

## 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.
- 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\_I5\_mVOLTS\_AT\_I\_kHz\_AND\_O\_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	OUTPUT IMPEDANCE OHMS		CAPACITANCE ±50%		
L						MIN.	NOM.	MAX.	OUTPUT TO NEGATIVE	POSITIVE	POS. TO NEGATIVE
	3\$	1.3V	50 μA MAX.	3 dB MAX.	26.0 dB MAX.	2800	4400	6800	75pF	N/A	75pF

## CAPACITANCE PROBE POINTS

evision C.O. # Implementation Date RELEASE LEVEL				KEA1210N			
MI0104944 MI0101430	Active		В				
RIA, CORRELATION	OWLES IS ALSO REQUIRED FOR	DR. BY	DATE 3 - 23 - 07				
MI(	CROPHONE	EK-26597-C36	GJP APP. BY	3 - 26 - 07 DATE			
	A MIDIDI430 TEST LIMITS ARE U ERIA, CORRELATION INATION OF EQUIPME	A MI0101430 3-23-07  TEST LIMITS ARE USED TO ESTABLISH INCOMING ERIA, CORRELATION OF TEST EQUIPMENT WITH KNC INATION OF EQUIPMENT AND TEST METHOD VARIATION	A   MI0101430   3-23-07  TEST LIMITS ARE USED TO ESTABLISH INCOMING INSPECTION ACCEPTANCE/REJECTION ERIA, CORRELATION OF TEST EQUIPMENT WITH KNOWLES IS ALSO REQUIRED FOR NATION OF EQUIPMENT AND TEST METHOD VARIATION	TEST LIMITS ARE USED TO ESTABLISH INCOMING INSPECTION ACCEPTANCE/REJECTION PR. BY ERIA, CORRELATION OF TEST EQUIPMENT WITH KNOWLES IS ALSO REQUIRED FOR MAMM CK. BY  MICROPHONE EK-26597-C36  GJP			

PERFORMANCE SPECIFICATION

SHT 2.1

3-26-07

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