EK-23142-000

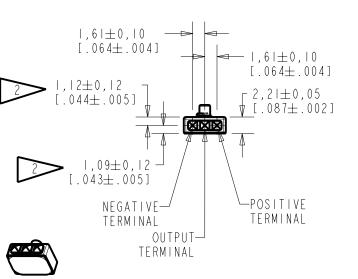
SHT I.I

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].



 $1,98\pm0.05-$

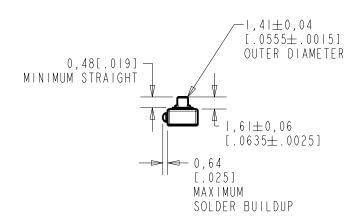
 $[.078 \pm .002]$

- 2,77±0,05 [.109±.002]

 -3.99 ± 0.02

5,56±0,05 [.219±.002]

 $[.157\pm.001]$

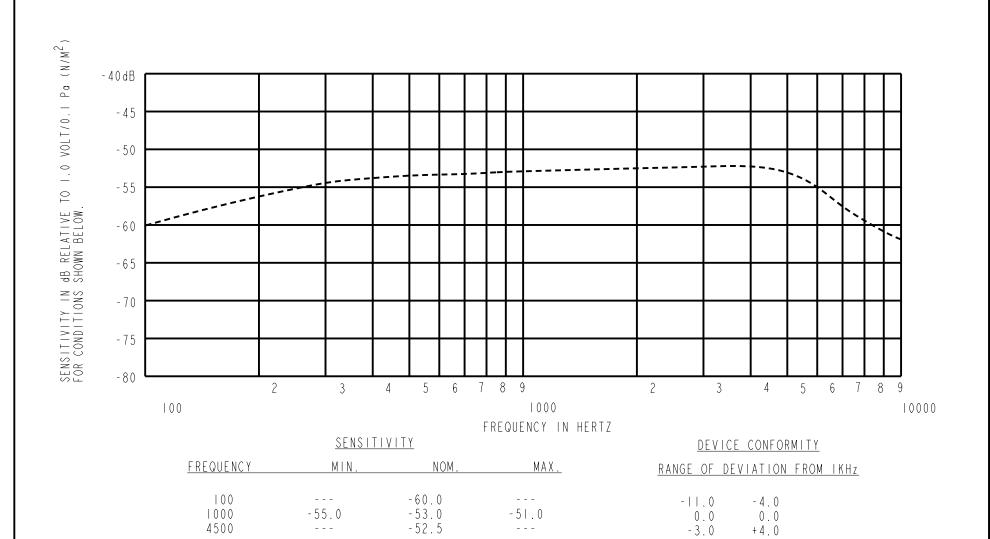


NOMINAL WEIGHT . 13 GRAM

DIMENSIONS IN MILLIMETERS [INCHES]

KNOWLES ELECTRONICS ITASCA, ILLINOIS U.S.A.

Revision	C.O. #	Implementation Date	RELEASE LEVEL		REVISION
A	M10101546	8 - 9 - 0 7	Release	d	Α
SCALE:	2:1				DATE
	LSY ck. by	8 - 9 - 0 7 DATE			
TITLE:	MIC	ROPHONE	EK-23142-000	GJP APP. BY	8-10-07 DATE
	OUTL	INE DRAWING	SHT I.I	GJP	8-10-07



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.

	PORT DC	DC	AMPLIFIER	SENSITIVITY CHANGE ON REDUCING SUPPLY TO 0.9VDC	"A" WEIGHTED NOISE (I kHz EQUIV. SPL)	OUTPUT IMPEDANCE OHMS		CAPACITANCE ±50%			
	LOCATION	LOCATION SUPPLY CUR	CURRENT DRAIN			MIN.	NOM.	14.4.1/	OUTPUT TO NEGATIVE	OUTPUT TO POSITIVE	POS. TO NEGATIVE
ŀ	0 K P	1.3V	50 μΑ MAX.	3 dB MAX.	26.0 dB MAX.	2800	4400	6800	N/A	N / A	N/A

Kevision	C.O. #	Implementation Date	KFLFASE LEVEL		KE A L 2 L O N	
			Released		٨	
А	M10101546	8 - 9 - 07	nereuseu			
			INSPECTION ACCEPTANCE/REJECTION OWLES IS ALSO REQUIRED FOR	DR. BY	DATE	
CRITERIA, V	CORRELATION (OF LEST ECANTEMENT MAILLE UN	OMFER 12 MEROLIKED LOK	1.01/	0 0 0 7	

SHT 2.1

DATE

8-10-07

8-10-07

GJP

KNOWLES ELECTRONICS ITASCA, ILLINOIS U.S.A.

ELIMINATION OF EQUIPMENT AND TEST METHOD VARIATION

LSY

CK. B

GJP

APP.

PERFORMANCE SPECIFICATION