EK-27404-000

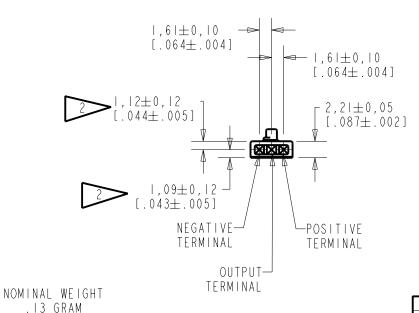
SHT I.I

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 ± 0 ,17 [.007].



 $1.98 \pm 0.05 -$

 $[.078 \pm .002]$

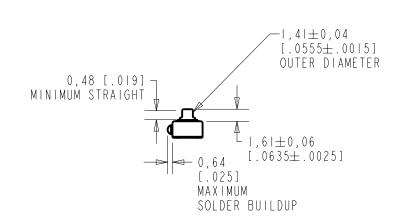
→ 2,77±0,05

5,56±0,02
[.2|9±.00|]

 $[.109\pm.002]$

г 3.99±0.02

 $[.157\pm.001]$

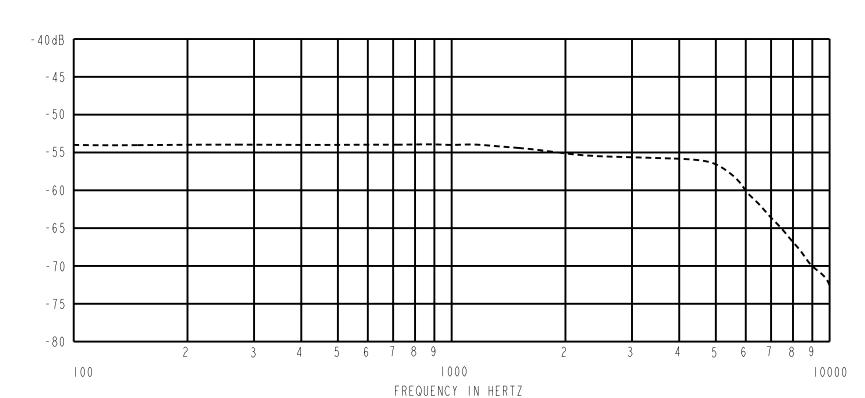


DIMENSIONS IN MILLIMETERS [INCHES]

KNOWLES ELECTRONICS ITASCA, ILLINOIS U.S.A.

Revision	C.O. #	Implementation Da	ıte	RELEASE LEV	EL	REVISION
A	M10100730	7-25-05		Releas	e d	A
SCALE:	SCALE: 2:1					
DO NOT COALE DRAWING						7 - 25 - 05
DO NOT SCALE DRAWING						DATE
TITLE:	M I C.	ROPHONE		EK-27404-000	GJP	7 - 29 - 05
	1110			2 2	APP. BY	DATE
	OUTL	INE DRAWING		SHT I.I	GJP	7-29-05
				KI	IIIIASIZE.FRM	Rev: B





<u>SENSITIVITY</u>

FREQUENCY	MIN.	NOM.	MAX.
100 1000 4000 - 6000	 - 54.0 	- 54.0 - 54.0 - 56.5	- 52.0

DEVICE CONFORMITY

RANGE	OF	DEV	IATION	FROM	I K H z
	-	. 0	+ .	0	
	0	. 0	0.	0	
	- 5	. 0	+ 0 .	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 15 mVOLTS AT I kHz AND 0 VDC. INCLUDES CIRCUIT CAPACITANCE IN PARALLEL WITH CAPACITOR.

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

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
				i .
			l Released	ι Δ
А	MI0100730	7-25-05	No rouseu	/
A	MIDIOUTSU	1 23 03		

SHT 2.1

KNOWLES ELECTRONICS ITASCA, ILLINOIS U.S.A.

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

TITLE:

MICROPHONE

EK-27404-000

APP BY
APP BY

PERFORMANCE SPECIFICATION

DR. BY	DATE
ΑВ	7-25-05
CK. BY	DATE
GJP	7-29-05
APP. BY	DATE
GJP	7-29-05