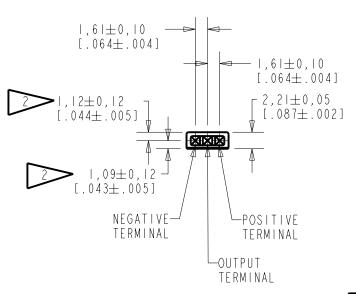
EK-29965-000

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.

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].



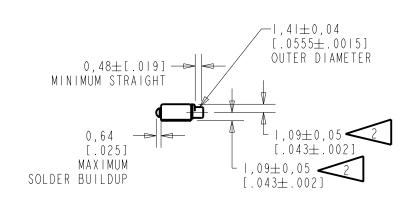
| 1,6|±0,06 -| [.0635±.0025] **→** 2,77±0,05

 $[.109 \pm .002]$

 $3,99\pm0,02$

5,56±0,02 [.219±.001]

 $[.157 \pm .001]$



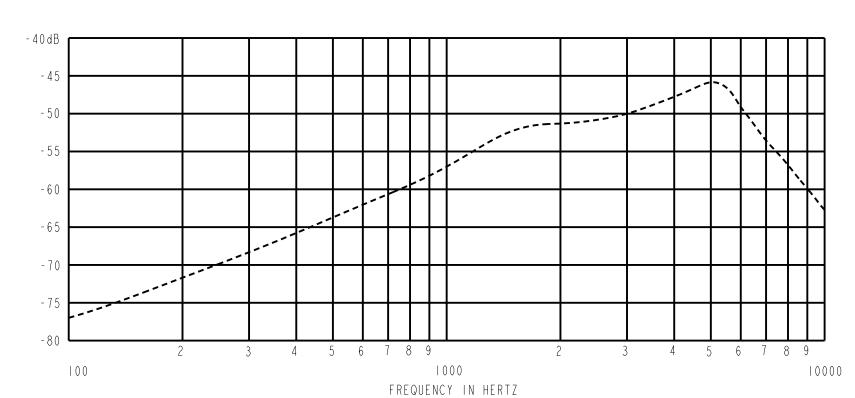
NOMINAL WEIGHT .13 GRAM

DIMENSIONS IN MILLIMETERS [INCHES]

KNOWLES ELECTRONICS ITASCA, ILLINOIS U.S.A.

Revision	C.O. #	Implementation Date	RELEASE LEVEL		REVISION
Α	M10101556	3-14-06	Release	d	A
SCALE:		2:1	_	DR. BY	DATE
	[DO NOT SCALE DRA	WING	CRG ck. By	8 - 1 7 - 0 7 DATE
TITLE:	MIC	ROPHONE	EK-29965-000	GJP APP. BY	8 - 22 - 07 DATE
	OUTL	INE DRAWING	SHT I.I	G J P AS I Z E , F R M	8 - 22 - 07 Rev: B

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



FREQUENCY	MIN.	NOM.	MAX.
300		- 68.0	
1000	- 6 0 . 0	- 57.0	- 5 4 . 0
4300-5700		- 46.0	

<u>DEVICE CONFORMITY</u>

RANGE	OF	DEV	I A I	TION	FROM	I K H z
	-12			- 9.		
	•	. 0		0. +16	•	

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 1 kHz AND 0 VDC. INCLUDES CIRCUIT CAPACITANCE IN PARALLEL WITH CAPACITOR.

PORT	DC	AMPLIFIER	SENSITIVITY CHANGE ON REDUCING SUPPLY	"A" WEIGHTED NOISE	OUTPUT	IMPEDANO	CE OHMS	CAPACITA	NCE ±50%
LOCATION	SUPPLY	CURRENT DRAIN	TO 0.9VDC	(RE I.O VOLT)	MIN.	NOM.	MAX.	OUTPUT TO NEGATIVE	OUTPUT TO POSITIVE
128	1.3V	50 μA MAX.	3 dB MAX.	-100.0 dB MAX.	2800	4400	6800	N/A	N / A

Released A	Released	ι Δ

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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

CRG CK. BY MICROPHONE

PERFORMANCE SPECIFICATION

EK-29965-000 GJP APP. BY SHT 2.1 GJP

DATE 8-17-07

DATE

8-22-07

DATE

8-22-07