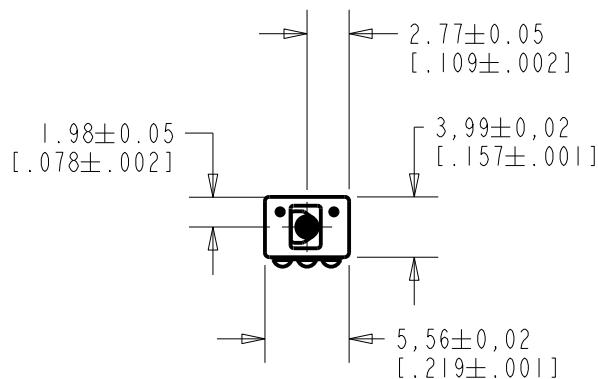


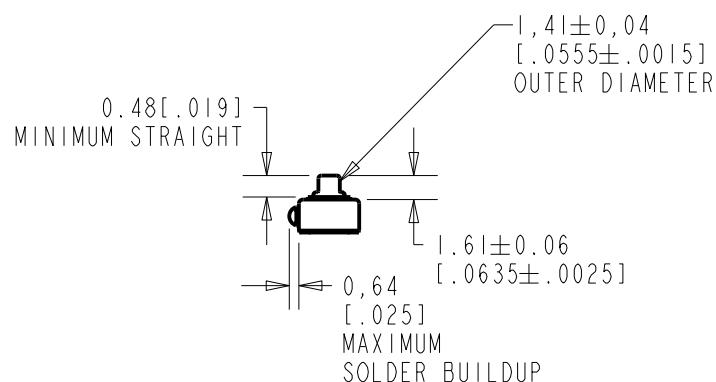
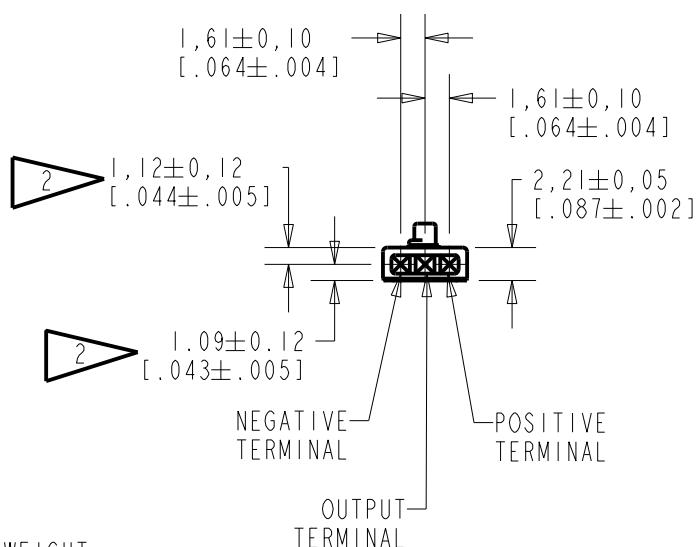
**EK-27404-000**

**SHT 1.1**

**NOTE**



1. INCREASED PRESSURE AT THE SOUND INLET CAUSES A POSITIVE GOING VOLTAGE TO APPEAR AT THE OUTPUT TERMINAL, RELATIVE TO THE NEGATIVE TERMINAL.



**NOMINAL WEIGHT**  
.13 GRAM

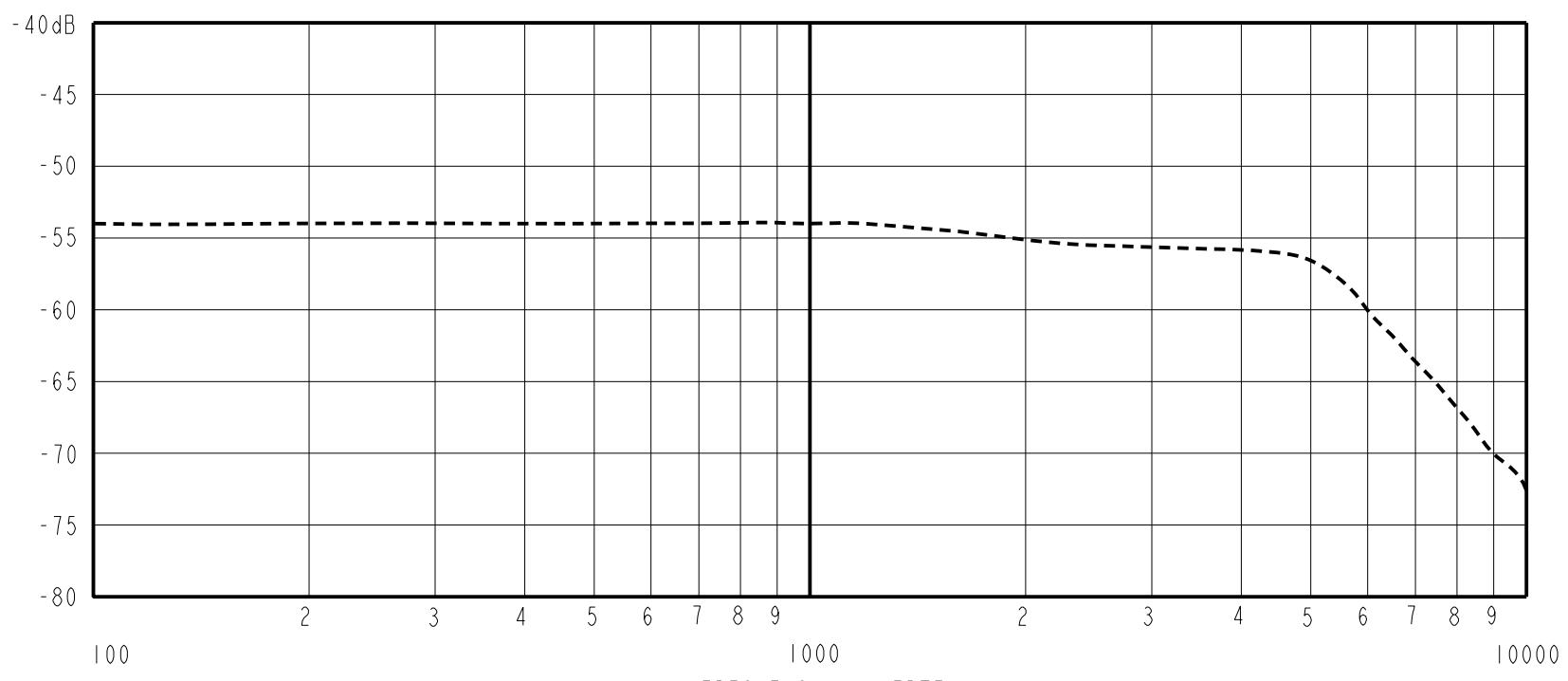
**DIMENSIONS IN MILLIMETERS [INCHES]**

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Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
B	MI0105324	2-12-14	Active	B
A	MI0100730	7-25-05		

SCALE:	2:1	DR. BY	DATE
	DO NOT SCALE DRAWING	AB	7-25-05
TITLE:	MICROPHONE	CK. BY	DATE
	EK-27404-000	GJP	7-29-05
	OUTLINE DRAWING	APP. BY	DATE
		GJP	7-29-05
		KELIASIZE.FRM	
		Rev: B	

SENSITIVITY IN dB RELATIVE TO 1.0 VOLT/0.1 Pa (N/m<sup>2</sup>)  
FOR CONDITIONS SHOWN BELOW.



FREQUENCY	SENSITIVITY			DEVICE CONFORMITY		
	MIN.	NOM.	MAX.	RANGE OF DEVIATION FROM 1KHz		
100	---	-54.0	---	-1.0	+1.0	
1000	-54.0	-54.0	-52.0	0.0	0.0	
4000-6000	---	-56.5	---	-5.0	+0.5	

## NOTES:

1. 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.

DC SUPPLY	AMPLIFIER CURRENT DRAIN	SENSITIVITY CHANGE ON REDUCING SUPPLY TO 0.9VDC	"A" WEIGHTED NOISE (1 kHz EQUIV. SPL)	OUTPUT IMPEDANCE OHMS		
				MIN.	NOM.	MAX.
1.3V	50 $\mu$ A MAX.	3 dB MAX.	26.0 dB MAX.	2800	4400	6800

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
B	M10105324	2-12-14	Active	B
A	M10100730	7-25-05		

WHEN TEST LIMITS ARE USED TO ESTABLISH INCOMING INSPECTION ACCEPTANCE/REJECTION CRITERIA, CORRELATION OF TEST EQUIPMENT WITH KNOWLES IS ALSO REQUIRED FOR ELIMINATION OF EQUIPMENT AND TEST METHOD VARIATION

KNOWLES ELECTRONICS  
ITASCA, ILLINOIS U.S.A.

TITLE:	MICROPHONE	EK-27404-000	DR. BY	DATE
			AB	7-25-05
			CK. BY	DATE
			GJP	7-29-05
			APP. BY	DATE
			GJP	7-29-05

PERFORMANCE SPECIFICATION

SHT 2.1

# Mouser Electronics

Authorized Distributor

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