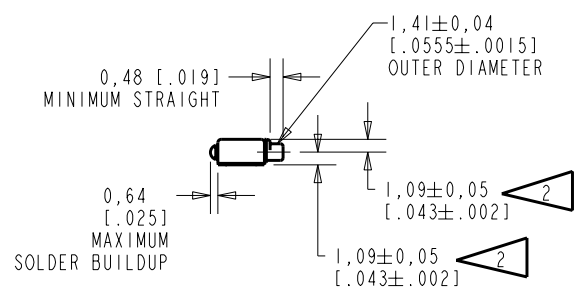
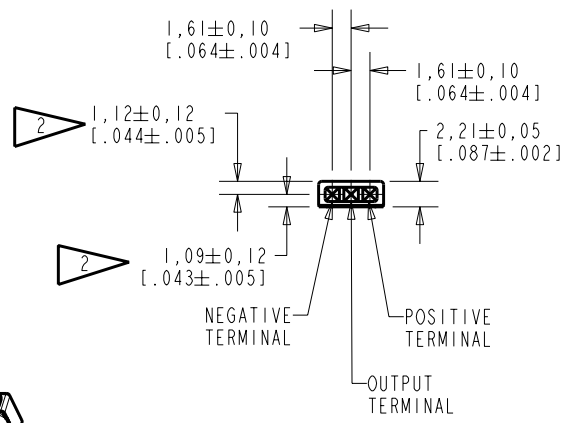
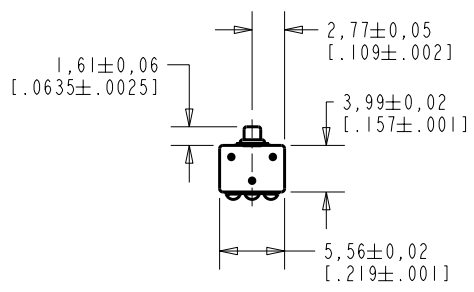


EK-23033-005
SHT 1.1

NOTE

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

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].



NOMINAL WEIGHT .13 GRAM DIMENSIONS IN MILLIMETERS [INCHES]

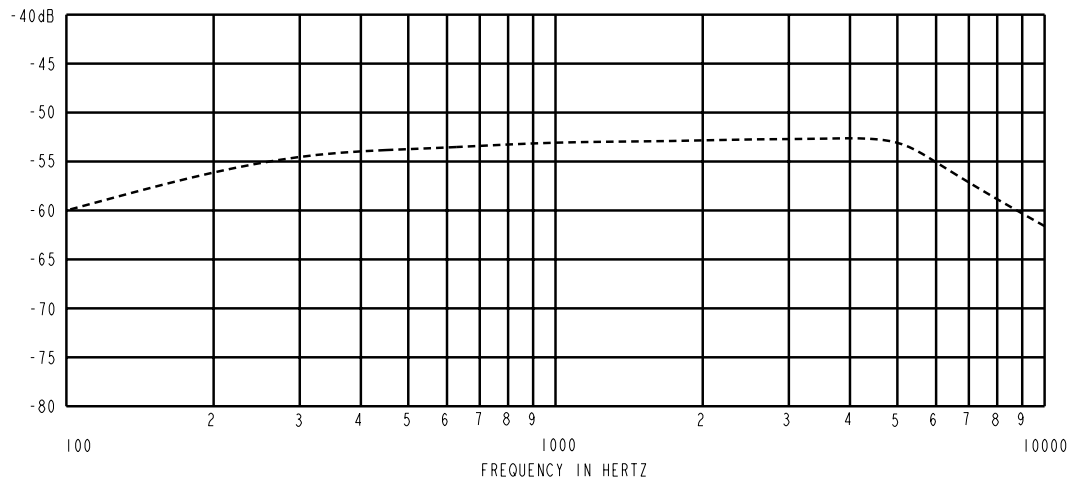
KNOWLES ELECTRONICS
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Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
			Released	A
A	MI0101061	3-22-06		

SCALE:	2:1		DR. BY	DATE
	DO NOT SCALE DRAWING		MMM	3-22-06
TITLE:	MICROPHONE	EK-23033-005	CRG	3-31-06
	OUTLINE DRAWING	SHT 1.1	APP. BY	DATE
			AB	4-3-06

KE111ASTZE.FRM Rev: B

SENSITIVITY IN dB RELATIVE TO 1.0 VOLT/0.1 Pa (N/M²) FOR CONDITIONS SHOWN BELOW.



FREQUENCY	SENSITIVITY			DEVICE CONFORMITY	
	MIN.	NOM.	MAX.	RANGE OF DEVIATION FROM 1kHz	
100	---	-60.0	---	-11.0	-4.0
1000	-55.0	-53.0	-51.0	0.0	0.0
4500	---	-52.5	---	-3.0	+4.0

NOTES:

- CASE CONNECTED TO NEGATIVE TERMINAL.
- MICROPHONE TO BE FUNCTIONAL WITH 10 VDC SUPPLY.
- CONFORMS TO REQUIREMENTS SHOWN ON 'ELECTRET MICROPHONE ENVIRONMENTAL QUALIFICATIONS TEST, EK-PA SHEET 2.2' WITH REF. FREQ. OF 1000 Hz.
- TYPICAL SENSITIVITY TO HUMIDITY AT 1000 Hz IS 0.02 dB/%RH.
- SENSITIVITY AND NOISE VALUES INDICATED ON THIS SPECIFICATION ARE VALID AT 50% HUMIDITY.

PORT LOCATION	DC SUPPLY	AMPLIFIER CURRENT DRAIN	SENSITIVITY CHANGE ON REDUCING SUPPLY TO 0.9VDC	"A" WEIGHTED NOISE (1 kHz EQUIV. SPL)	OUTPUT IMPEDANCE OHMS			CAPACITANCE ±50%		
					MIN.	NOM.	MAX.	OUTPUT TO NEGATIVE	OUTPUT TO POSITIVE	OUTPUT TO NEGATIVE
12S	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
A	M10101061	3-22-06	Released	A

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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		DR. BY	DATE
		MM	3-22-06
TITLE: MICROPHONE		CK. BY	DATE
PERFORMANCE SPECIFICATION		CRG	3-31-06
EK-23033-005		APP. BY	DATE
SHT 2.1		AB	4-3-06