

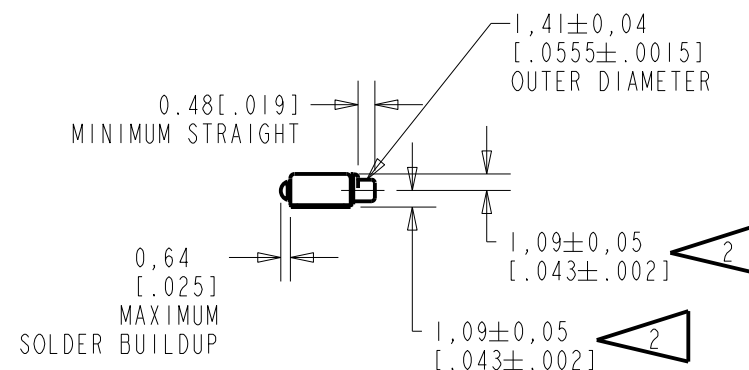
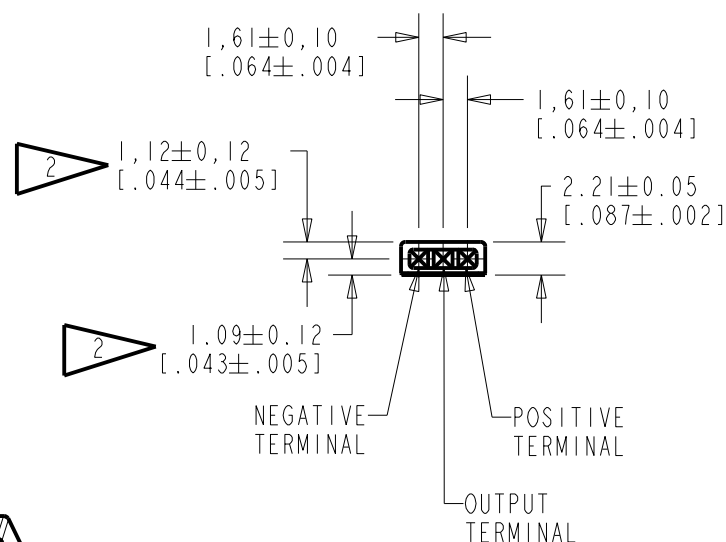
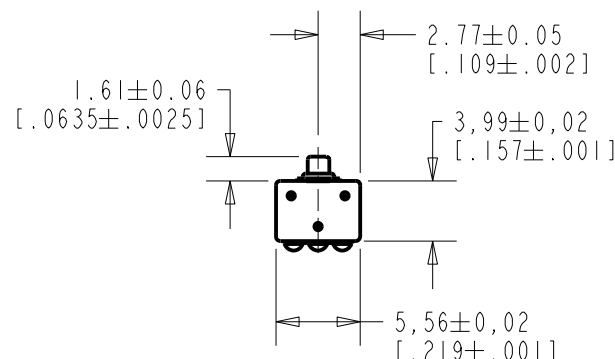
EK-23029-000

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.

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].

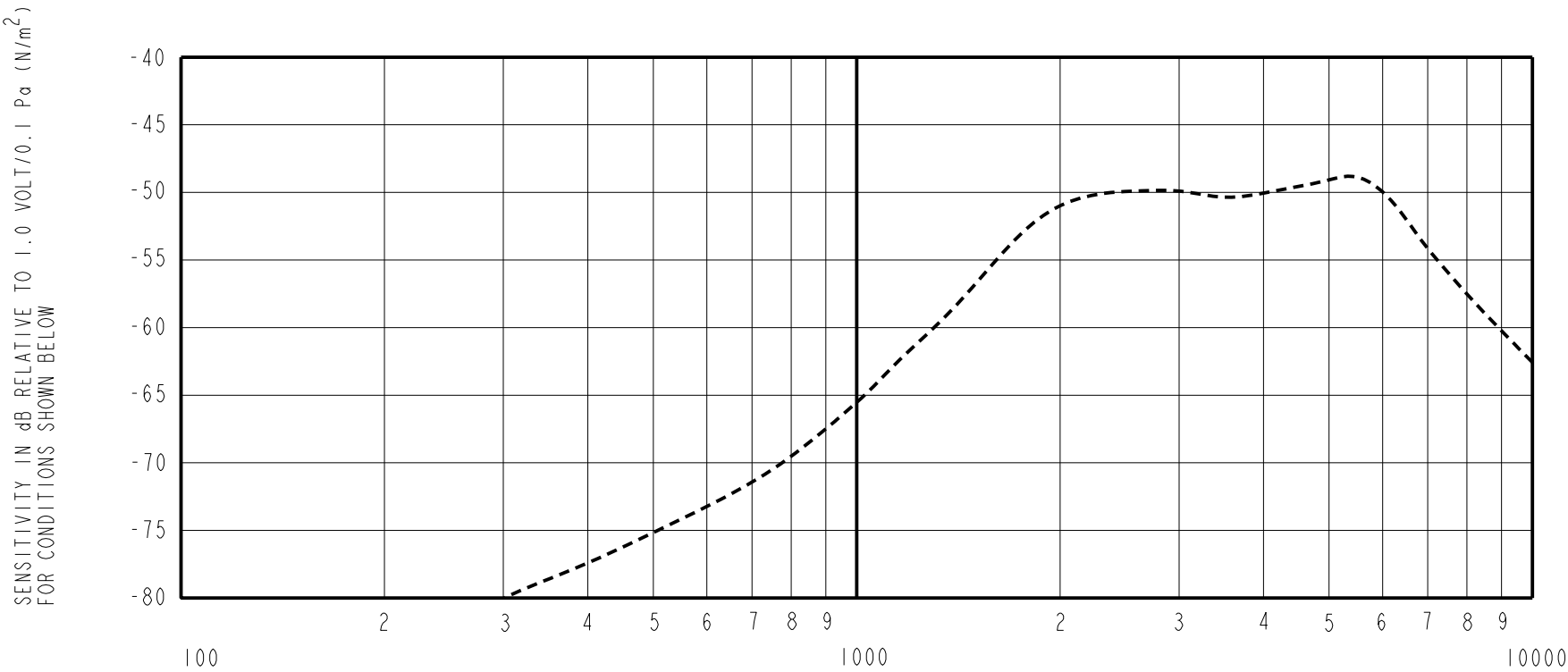


NOMINAL WEIGHT
.13 GRAM

DIMENSIONS IN MILLIMETERS [INCHES]

KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
B	MI0105324	2-10-14	Active	B
A	MI0101028	2-28-06		
SCALE: 2:1			DR. BY	DATE
DO NOT SCALE DRAWING			MMM	2-28-06
TITLE: MICROPHONE			CK. BY	DATE
OUTLINE DRAWING			GJP	3-2-06
EK-23029-000			APP. BY	DATE
SHT 1.1			GJP	3-2-06



FREQUENCY	SENSITIVITY			FREQUENCY IN HERTZ		DEVICE CONFORMITY	
	MIN.	NOM.	MAX.			RANGE OF DEVIATION FROM 3.5 kHz	
1000	---	-65.0	---			---	-12.0
3500	-53.0	-50.0	-47.0			0.0	0.0
5200	---	-48.5	---			-1.5	+4.5

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.

PORT LOCATION	DC SUPPLY	AMPLIFIER CURRENT DRAIN	SENSITIVITY CHANGE ON REDUCING SUPPLY TO 0.9VDC	"A" WEIGHTED NOISE (RE 1.0 VOLT)	OUTPUT IMPEDANCE OHMS		
					MIN.	NOM.	MAX.
I2S	1.3V	50 µA MAX.	3 dB MAX.	-100.0 dB MAX.	2800	4400	6800

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Revision	C.O. #	Implementation Date	RELEASE LEVEL		REVISION
B	MI0105324	2-10-14	Active		B
A	MI0101028	2-28-06			
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
			MMM		2-28-06
			CK. BY		DATE
			GJP		3-2-06
TITLE: MICROPHONE			APP. BY		DATE
			GJP		3-2-06
PERFORMANCE SPECIFICATION			EK-23029-000		
			SHT 2.1		

Mouser Electronics

Authorized Distributor

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Knowles:

[EK-23029-000](#) [EK-23029-C36](#) [EK-23029-C09](#) [EK-23029-A21](#)