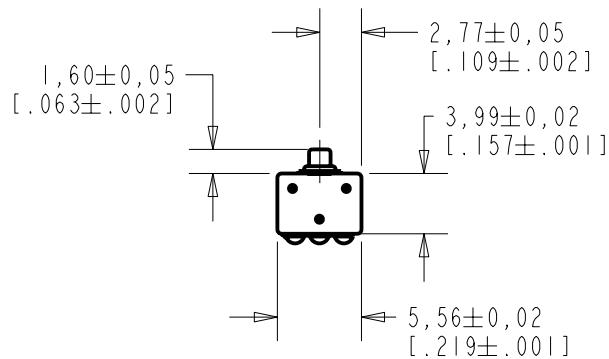


EA-21868-C36

SHT 1.1

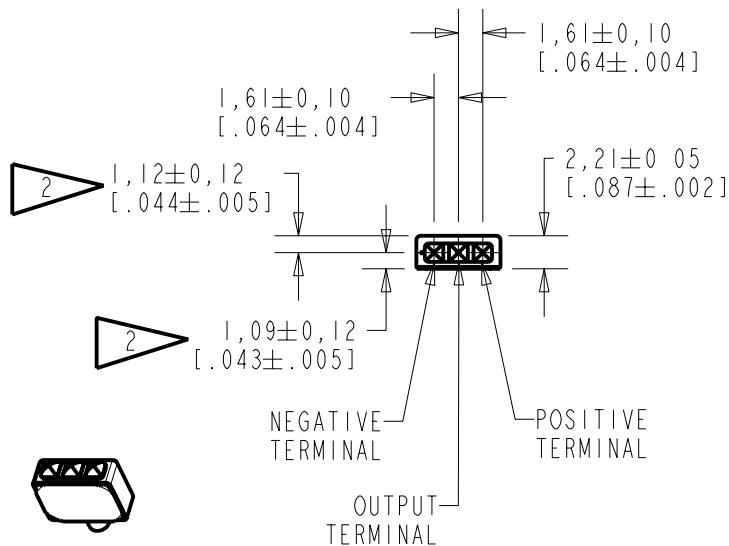


NOTE:

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

2

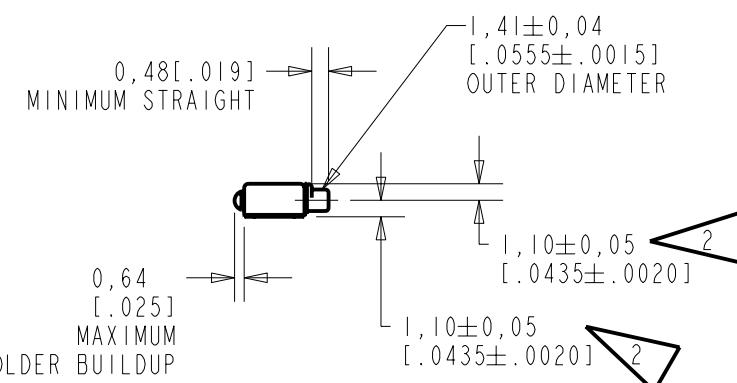
LOCATED FROM TWO SURFACES FOR CUSTOMER
CONVENIENCE. ONLY APPLICABLE FROM ONE
SURFACE, NOT TO BE USED TOGETHER.
HORIZONTAL LOCATION FOR TERMINAL CENTERED
TO ± 0.17 [.007].



NOMINAL WEIGHT
.13 GRAM

DIMENSIONS IN MILLIMETERS [INCHES]

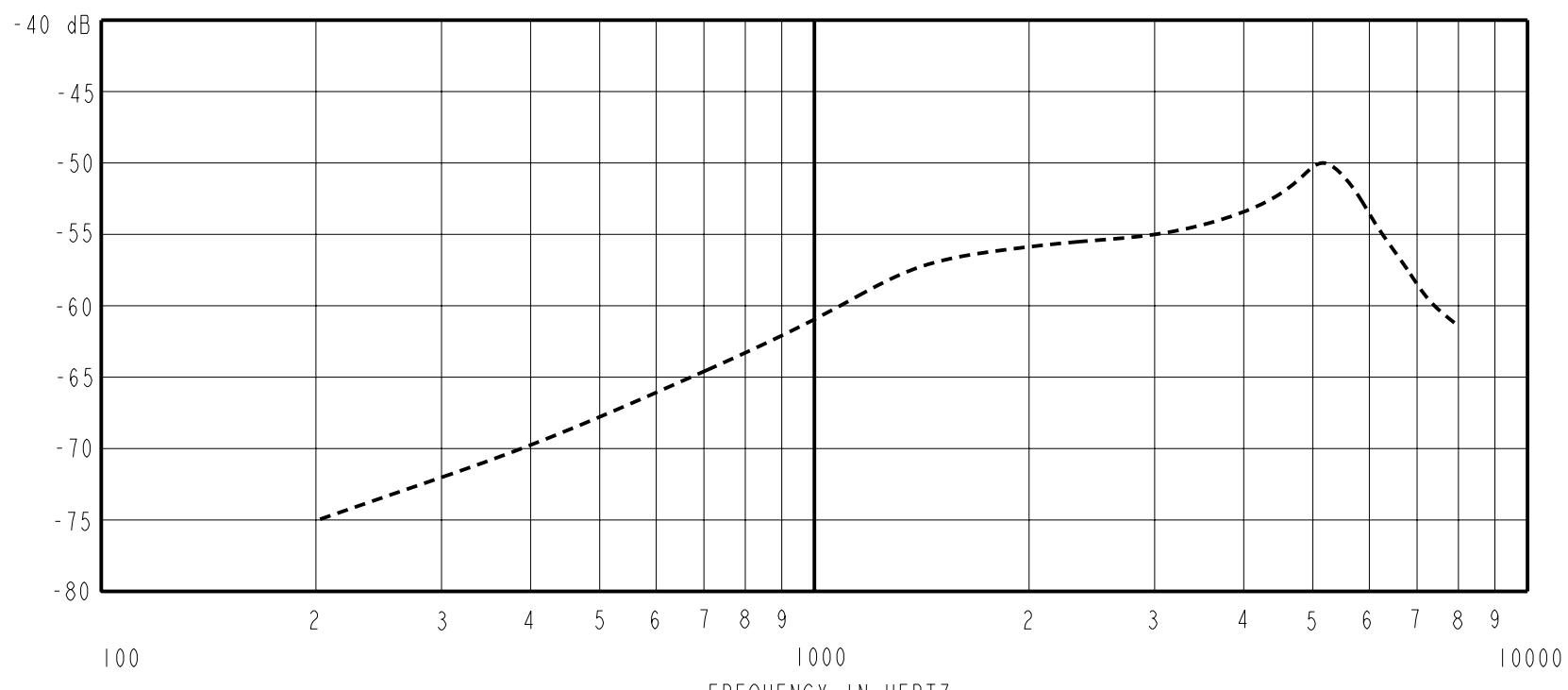
KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.



Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
A	M10101308	11-22-06	Released	A

SCALE:	2:1	DR. BY	DATE
	DO NOT SCALE DRAWING	LSY	11-22-06
TITLE:	MICROPHONE	CK. BY	DATE
	EA-21868-C36	GJP	12-6-06
	OUTLINE DRAWING	APP. BY	DATE
		GJP	12-6-06

SENSITIVITY IN dB RELATIVE TO 1.0 VOLT/0.1 Pa (N/m²)
FOR CONDITIONS SHOWN BELOW.



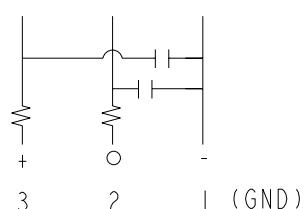
FREQUENCY	SENSITIVITY			DEVICE CONFORMITY		
	MIN.	NOM.	MAX.	RANGE OF DEVIATION FROM 1KHz		
300	---	-72.0	---	-12.5	-9.5	
1000	-65.0	-61.0	-57.0	0.0	0.0	
≈5200	---	-50.0	---	+6.0	+16.0	

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 QUALIFICATION TEST, SHEET 2.2'.

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			CAPACITANCE ±50%	
					MIN.	NOM.	MAX.	I-2	I-3
I2S	1.3V	50 uA MAX.	3 dB MAX.	-101 dB MAX.	2000	3500	6000	75pF	75pF

CAPACITANCE PROBE POINTS



Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
A	M10101308	11-22-06	Released	A

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

TITLE: MICROPHONE EA-21868-C36

PERFORMANCE SPECIFICATION

SHT 2.1

DR. BY	DATE
LSY	11-22-06
CK. BY	DATE
GJP	12-6-06
APP. BY	DATE
GJP	12-6-06

Mouser Electronics

Authorized Distributor

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