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[EM-26371-C68](#)

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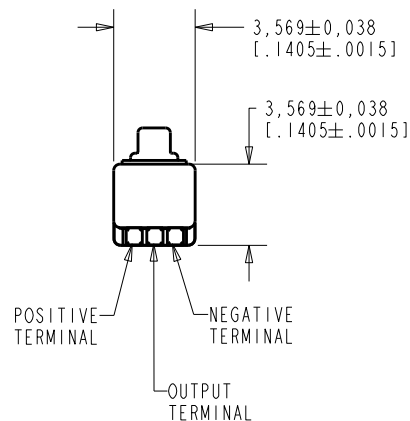
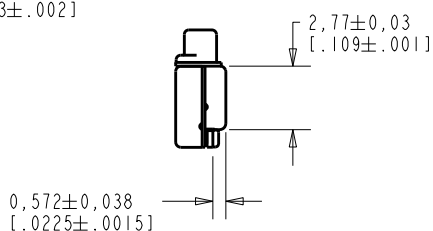
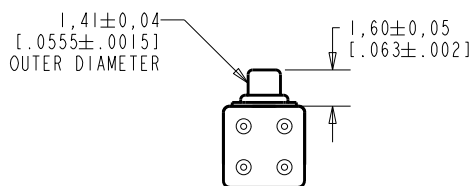
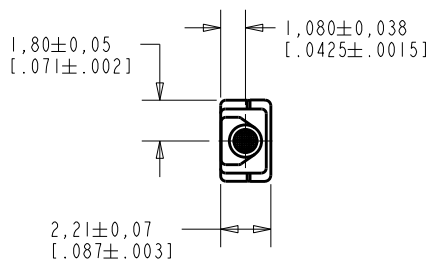
sales@integrated-circuit.com

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SHT I. I

NOTE:

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



NOMINAL WEIGHT
.08 GRAM

DIMENSIONS IN MILLIMETERS [INCHES]

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
F	M10104420	12-9-11	Active	F
E	M10103579	3-22-10		
D	M10102035	7-7-08		
SCALE: 4:1			DR. BY DATE	
DO NOT SCALE DRAWING			MMM 12-28-05	
TITLE: MICROPHONE			CK. BY DATE	
OUTLINE DRAWING			GJP 1-2-06	
EM-26371-C68			APP. BY DATE	
SHT 1.1			GJP 1-2-06	

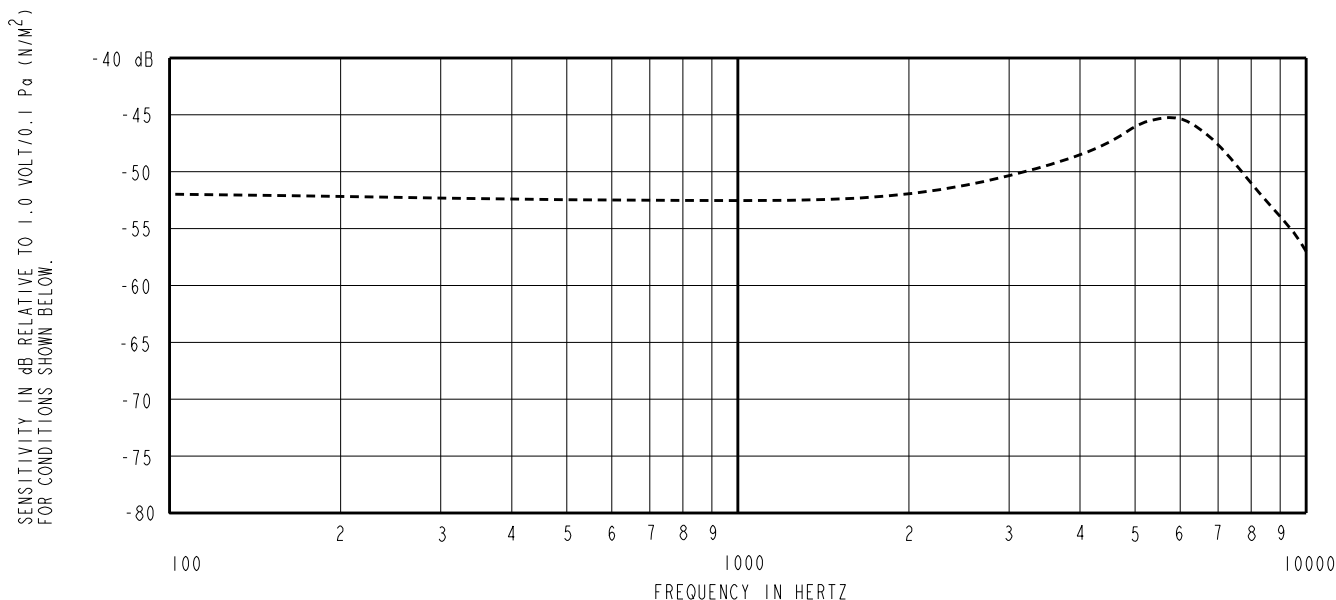
KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.

KE111ASIZE.FRM

Rev: B

EM-26371-C68

SHEET 2.1



FREQUENCY	SENSITIVITY			DEVICE CONFORMITY	
	MIN.	NOM.	MAX.	RANGE OF DEVIATION FROM 1KHz	
100	---	-52.0	---	-3.0	+1.0
1000	-55.0	-52.0	-49.0	0.0	0.0
≈5500	---	-45.0	---	+4.0	+10.0

- NOTES: 1. CASE CONNECTED TO NEGATIVE TERMINAL.
2. MICROPHONE TO BE FUNCTIONAL WITH 1.6 VDC SUPPLY.
3. TYPICAL SENSITIVITY TO HUMIDITY AT 1000Hz IS 0.03 dB/%RH
4. 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		
					MIN.	NOM.	MAX.
I2S	1.3V	50 μA MAX.	3 dB MAX.	28.0 dB MAX.	4950	5500	6050