

Excellent Integrated System Limited

Stocking Distributor

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[EM-23059-000](#)

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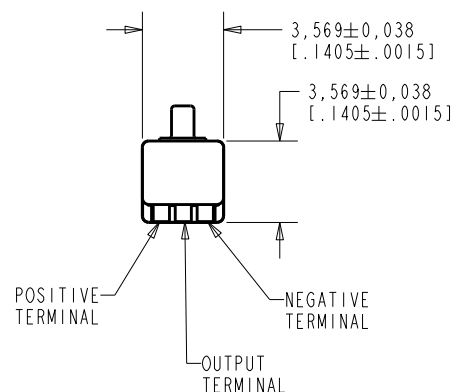
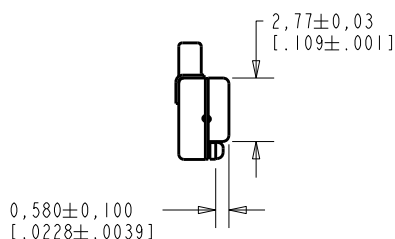
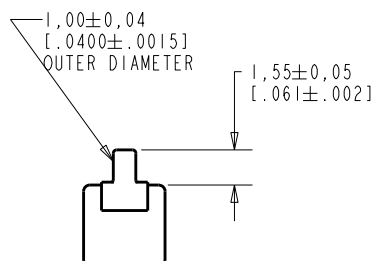
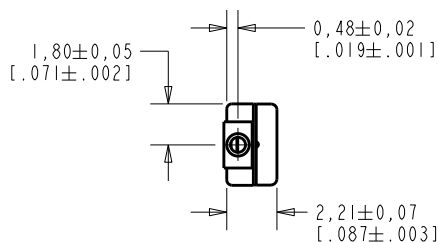
sales@integrated-circuit.com

EM-23059-000

SHT 1.1

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 GRAMS

DIMENSIONS IN MILLIMETERS [INCHES]

KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.

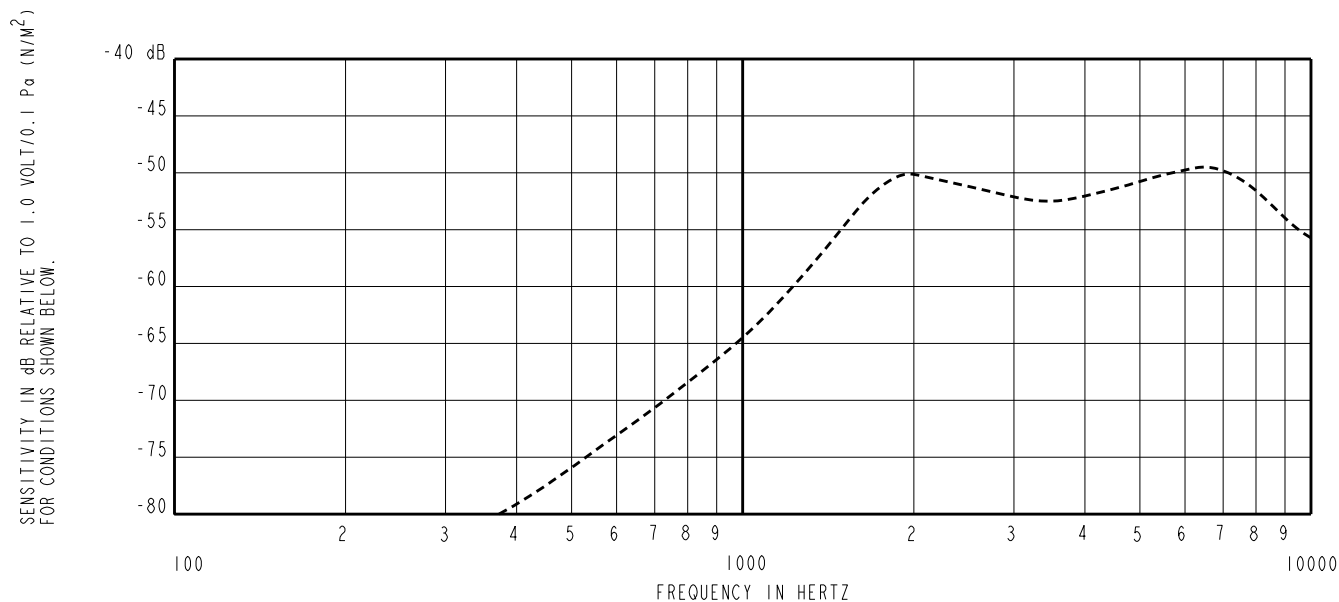
Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
E	MI0106036	5-21-15	Active	E
D	MI0105775	12-3-14		
SCALE: 4:1			DR. BY DATE	
DO NOT SCALE DRAWING			LSY 10-25-06	
TITLE: MICROPHONE			CK. BY DATE	
EM-23059-000			GJP 11-6-06	
OUTLINE DRAWING			APP. BY DATE	
SHT 1.1			GJP 11-6-06	

KETIT11SIZE.FRM

Rev: B

EM-23059-000

SHEET 2.1



FREQUENCY	SENSITIVITY			DEVICE CONFORMITY	
	MIN.	NOM.	MAX.	RANGE OF DEVIATION FROM 1KHz	
1000	---	-64.5	---	---	-9.0
3500	-56.5	-52.5	-48.5	0.0	0.0
6400	---	-49.5	---	0.0	+6.0

NOTES:

1. CASE CONNECTED TO NEGATIVE TERMINAL.
2. MICROPHONE TO BE FUNCTIONAL WITH 10 VDC SUPPLY.
3. TYPICAL SENSITIVITY TO HUMIDITY AT 1000Hz IS 0.06 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 (Re 1 VOLT)	OUTPUT IMPEDANCE OHMS		
					MIN.	NOM.	MAX.
12B	1.3V	50 μ A MAX.	3 dB MAX.	97.0 dB MAX.	2800	4400	6800