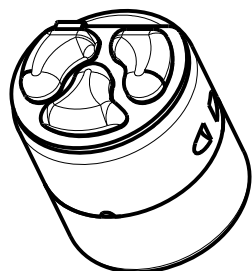
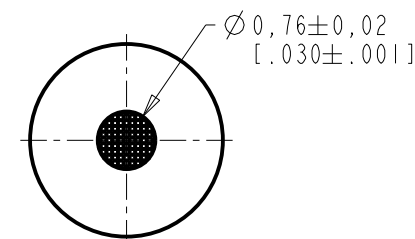
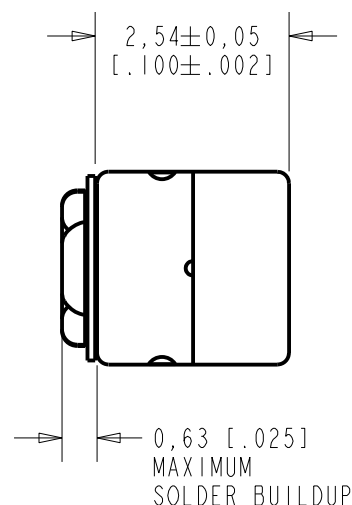
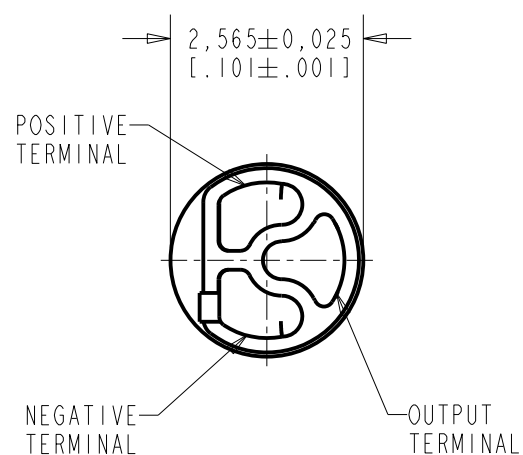


FC-26163-000

SHT 1.1

NOTES:

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



DIMENSIONS IN MILLIMETERS [INCHES]

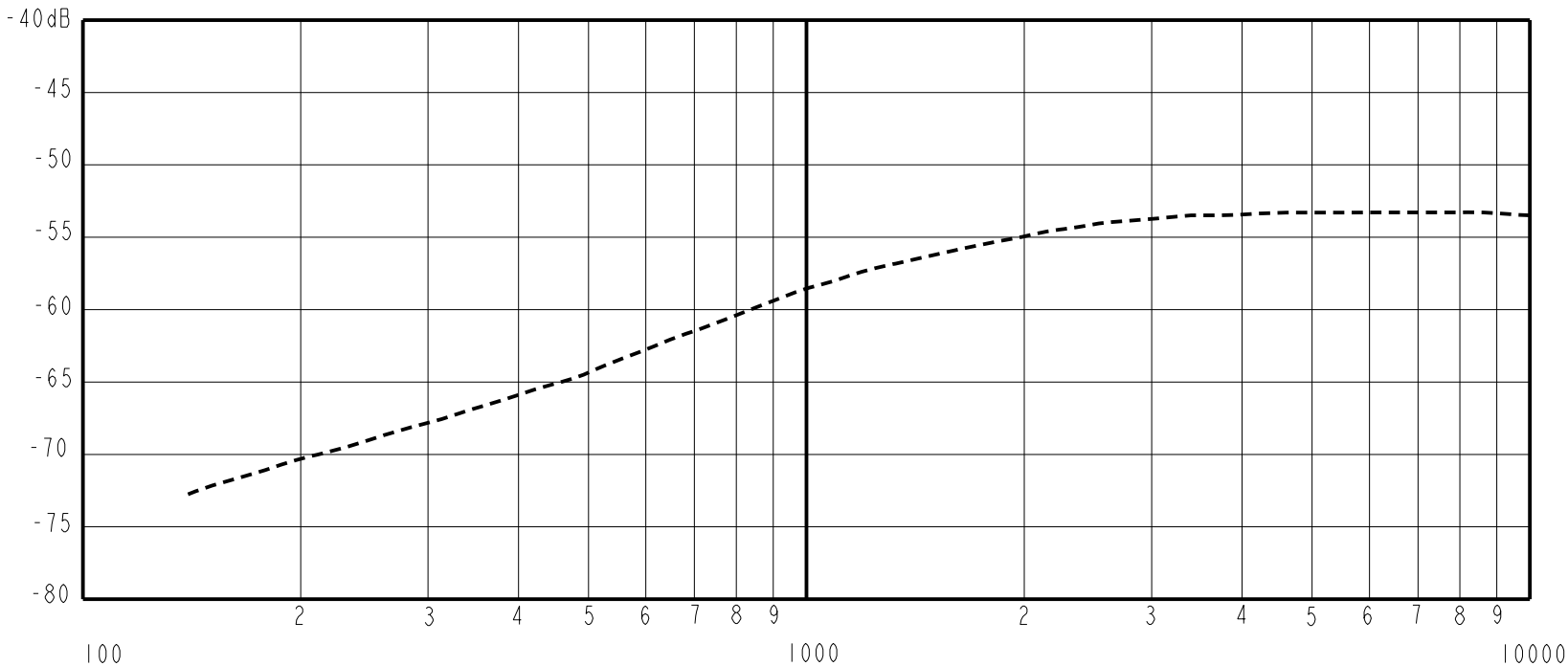
KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
F	MI0104840	10-10-12	Active	F
E	MI0104555	4-12-12		
D	MI0103600	4-20-10		
SCALE: 10:1			DR. BY	DATE
DO NOT SCALE DRAWING			MMM	3-6-06
TITLE: MICROPHONE			CK. BY	DATE
OUTLINE DRAWING			GJP	3-8-06
FC-26163-000			APP. BY	DATE
SHT 1.1			GJP	3-8-06

KE111ASIZE.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 3.5 kHz	
500	---	-64.5	---	-14.0	-8.0
1000	---	-58.5	---	-9.0	-1.0
3500	-56.5	-53.5	-50.5	0.0	0.0
10000	---	-53.5	---	-3.0	+3.0

- NOTES: 1. CASE CONNECTED TO NEGATIVE TERMINAL.
2. MICROPHONE TO BE FUNCTIONAL WITH 1.6 VDC SUPPLY.
3. TYPICAL SENSITIVITY TO HUMIDITY AT 3500Hz 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 1.0 VOLT)	OUTPUT IMPEDANCE OHMS		
					MIN.	NOM.	MAX.
12S	1.3V	50 µA MAX.	3 dB MAX.	-93.0 dB MAX.	2800	4400	6800

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Revision	C.O. #	Implementation Date	RELEASE LEVEL		REVISION
F	M10104840	10-10-12	Active		F
E	M10104555	4-12-12			
D	M10103600	4-20-10			
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	3-6-06	
TITLE: MICROPHONE PERFORMANCE SPECIFICATION			CK. BY	DATE	
			GJP	3-8-06	
FC-26163-000 SHT 2.1			APP. BY	DATE	
			GJP	3-8-06	

Mouser Electronics

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[FG-26809-D45](#) [FG-31438-D17](#)