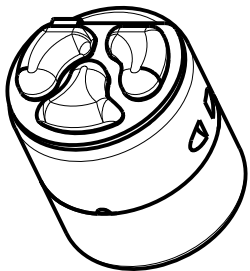
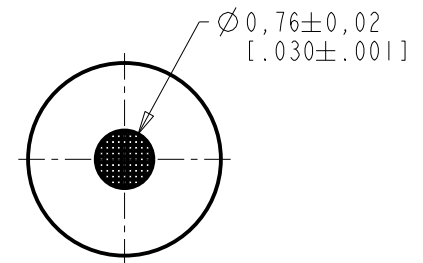
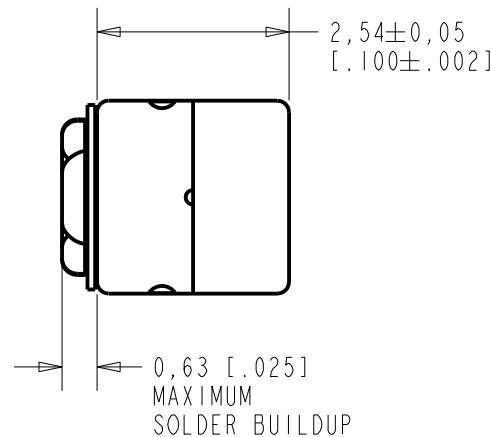
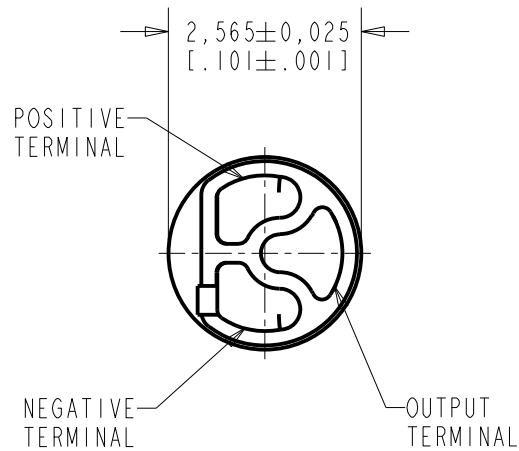


**FG-30077-C36**  
SHT 1.1

NOTES:

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

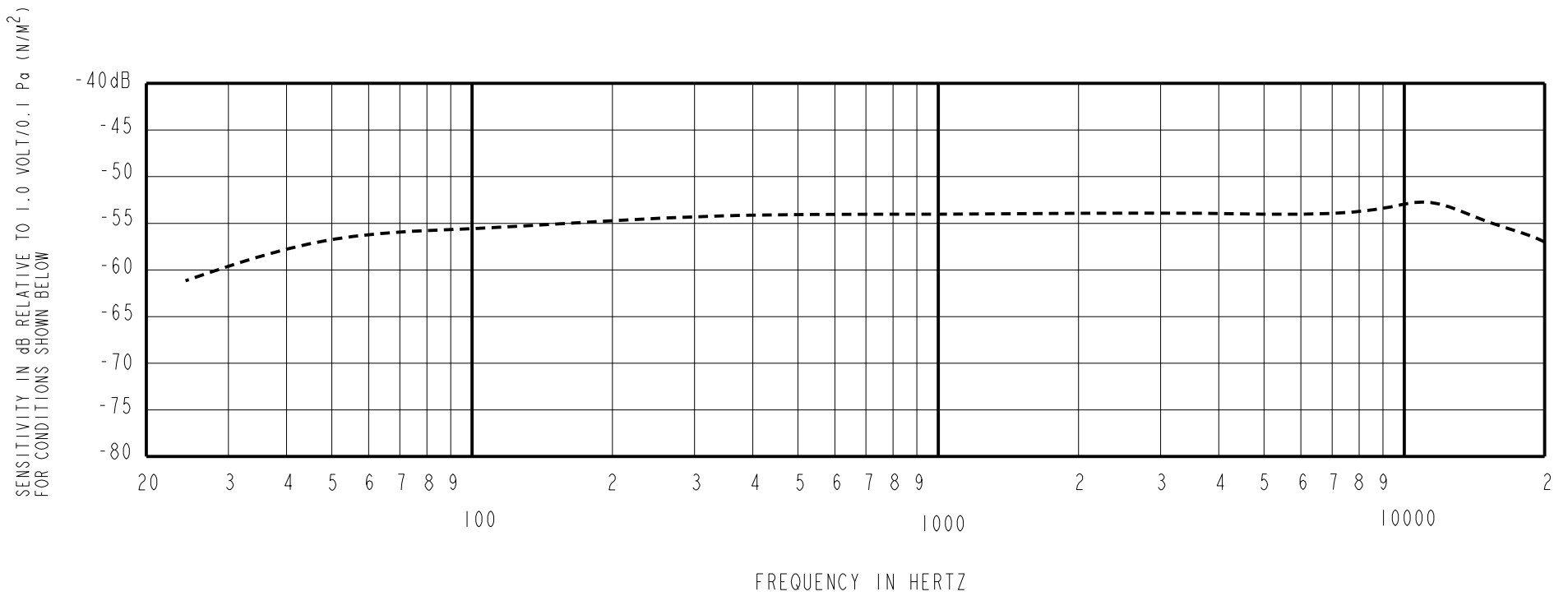


DIMENSIONS IN MILLIMETERS [INCHES]

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
E	MI0104555	4-12-12	Active	E
D	MI0103600	4-20-10		

SCALE: 10:1		DR. BY: DATE
DO NOT SCALE DRAWING		MMM 12-14-06
TITLE: MICROPHONE		CK. BY: DATE
OUTLINE DRAWING		GJP 12-18-06
FC-30077-C36		APP. BY: DATE
SHT 1.1		GJP 12-18-06

**KNOWLES ELECTRONICS**  
ITASCA, ILLINOIS U.S.A.



FREQUENCY	SENSITIVITY			DEVICE CONFORMITY	
	MIN.	NOM.	MAX.	RANGE OF DEVIATION FROM 1 kHz	
100	---	-55.0	---	-5.0	+1.0
1000	-56.0	-53.0	-50.0	0.0	0.0
10000	---	-52.0	---	-0.0	+6.0

- 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 0.06 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 (1 kHz EQUIV. SPL)	OUTPUT IMPEDANCE OHMS		
					MIN.	NOM.	MAX.
12S	1.3V	50 $\mu$ A MAX.	3 dB MAX.	30.0 dB MAX.	2800	4400	6800

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
E	M10104555	4-12-12	<b>Active</b>	<b>E</b>
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	12-14-06
		CK. BY	DATE
		GJP	12-18-06
		APP. BY	DATE
		GJP	12-18-06

TITLE:	<b>MICROPHONE</b>	<b>FG-30077-C36</b>
	PERFORMANCE SPECIFICATION	SHT 2.1

**KNOWLES ELECTRONICS**  
ITASCA, ILLINOIS U.S.A.