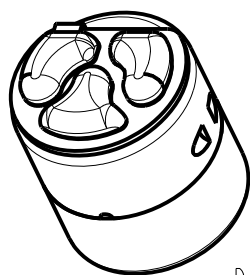
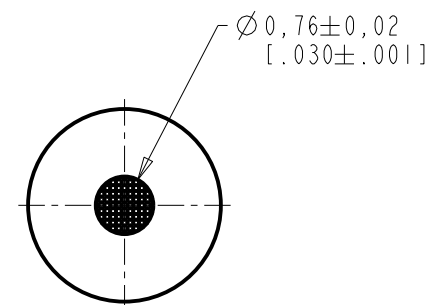
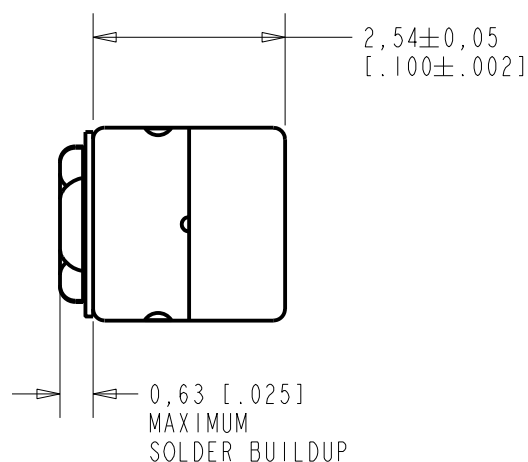
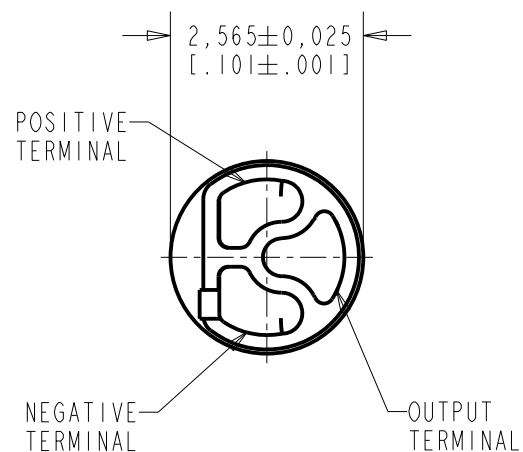


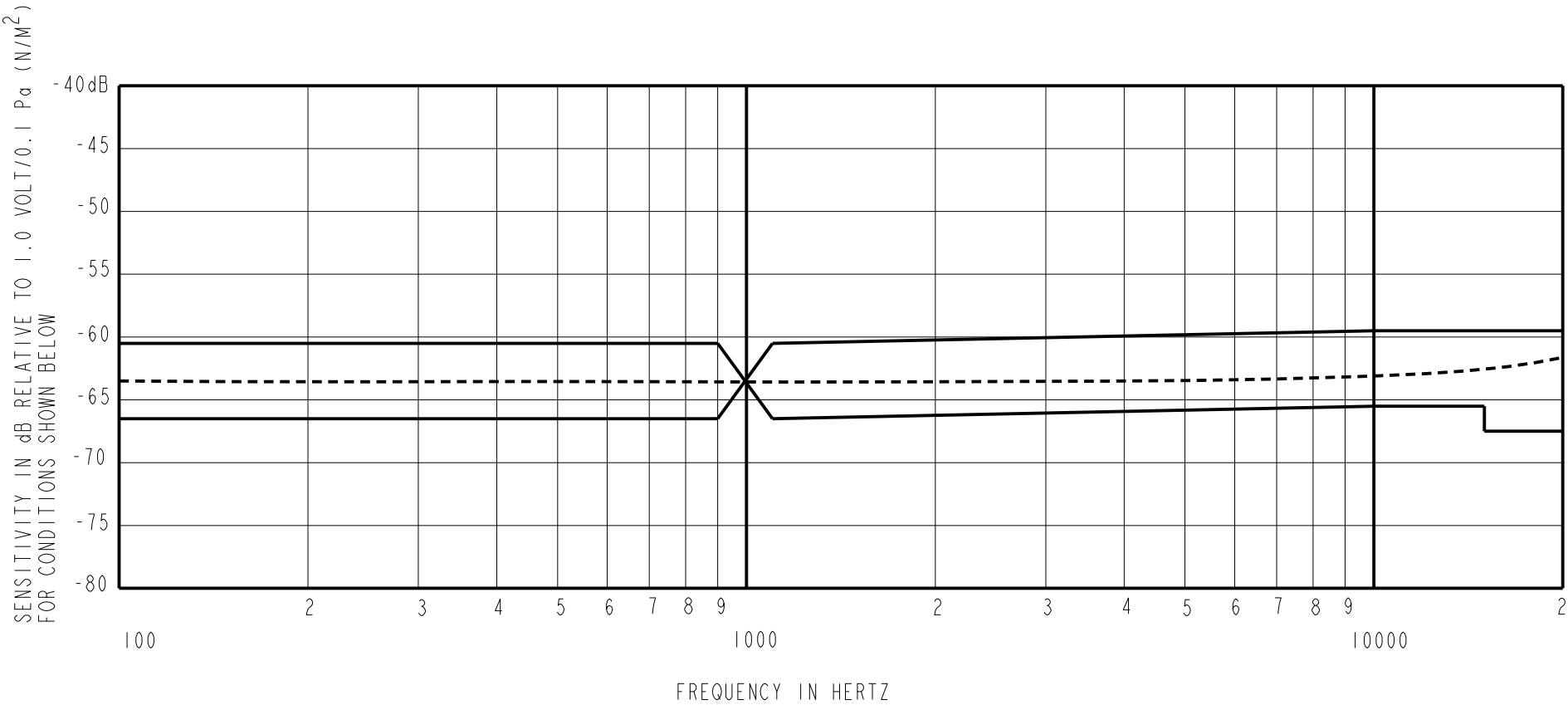
FG-23742-150
SHT 1.1



DIMENSIONS IN MILLIMETERS [INCHES]

KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
H	MI0104840	10-15-12	Active	H
G	MI0104555	4-12-12		
SCALE: 10:1			DR. BY	DATE
DO NOT SCALE DRAWING			MMM	6-12-07
TITLE: MICROPHONE OUTLINE DRAWING			CK. BY	DATE
			GJP	6-12-07
			APP. BY	DATE
			GJP	6-12-07
			SHT 1.1	



SENSITIVITY MEASURED IN A PRESSURE CAVITY UNDER THE NOMINAL CONDITIONS SHOWN BELOW

FREQUENCY	SENSITIVITY			DEVICE CONFORMITY	
	MIN.	NOM.	MAX.	RANGE OF DEVIATION FROM 1 kHz	
100	---	-63.5	---	-3.0	+3.0
1000	-66.5	-63.5	-60.5	0.0	0.0
10000	---	-63.5	---	-2.0	+4.0
15000	---	-63.5	---	-4.0	+4.0

- NOTES:
- CASE CONNECTED TO NEGATIVE TERMINAL.
 - MICROPHONE TO BE FUNCTIONAL WITH 3.0 VDC SUPPLY.
 - TYPICAL SENSITIVITY TO HUMIDITY AT 1000Hz IS 0.06 dB/%RH
 - SENSITIVITY AND NOISE VALUES INDICATED ON THIS SPECIFICATION ARE VALID AT 50% HUMIDITY.

DC SUPPLY	AMPLIFIER CURRENT DRAIN	SENSITIVITY CHANGE ON CHANGING SUPPLY TO 0.9VDC AND 3.0VDC	"A" WEIGHTED NOISE (1 kHz EQUIV. SPL)	OUTPUT IMPEDANCE OHMS		
				MIN.	NOM.	MAX.
1.3V	50 uA MAX.	3 dB MAX.	36.0 dB MAX.	2800	4400	6800

KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.

Revision	C.O. #	Implementation Date	RELEASE LEVEL		REVISION
H	M10104840	10-15-12	Active		H
G	M10104555	4-12-12			
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	6-12-07	
			CK. BY	DATE	
			GJP	6-12-07	
			APP. BY	DATE	
			GJP	6-12-07	

TITLE: MICROPHONE
PERFORMANCE SPECIFICATION

FC-23742-150
SHT 2.1

Mouser Electronics

Authorized Distributor

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