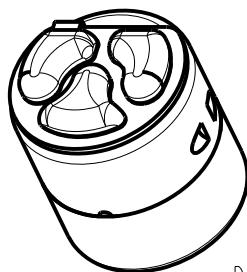
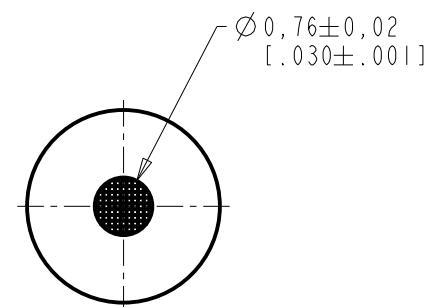
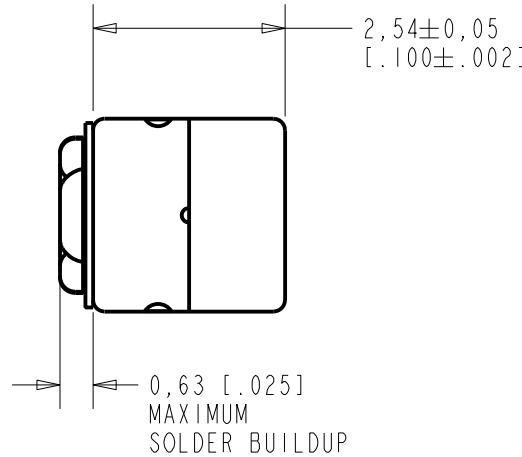
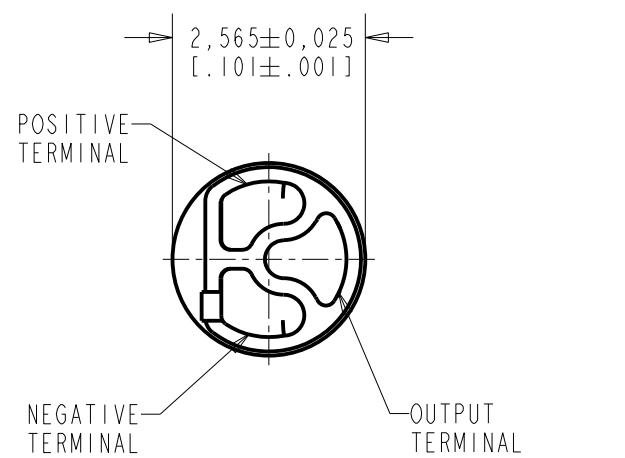


FG-23742-150

SHT 1.1

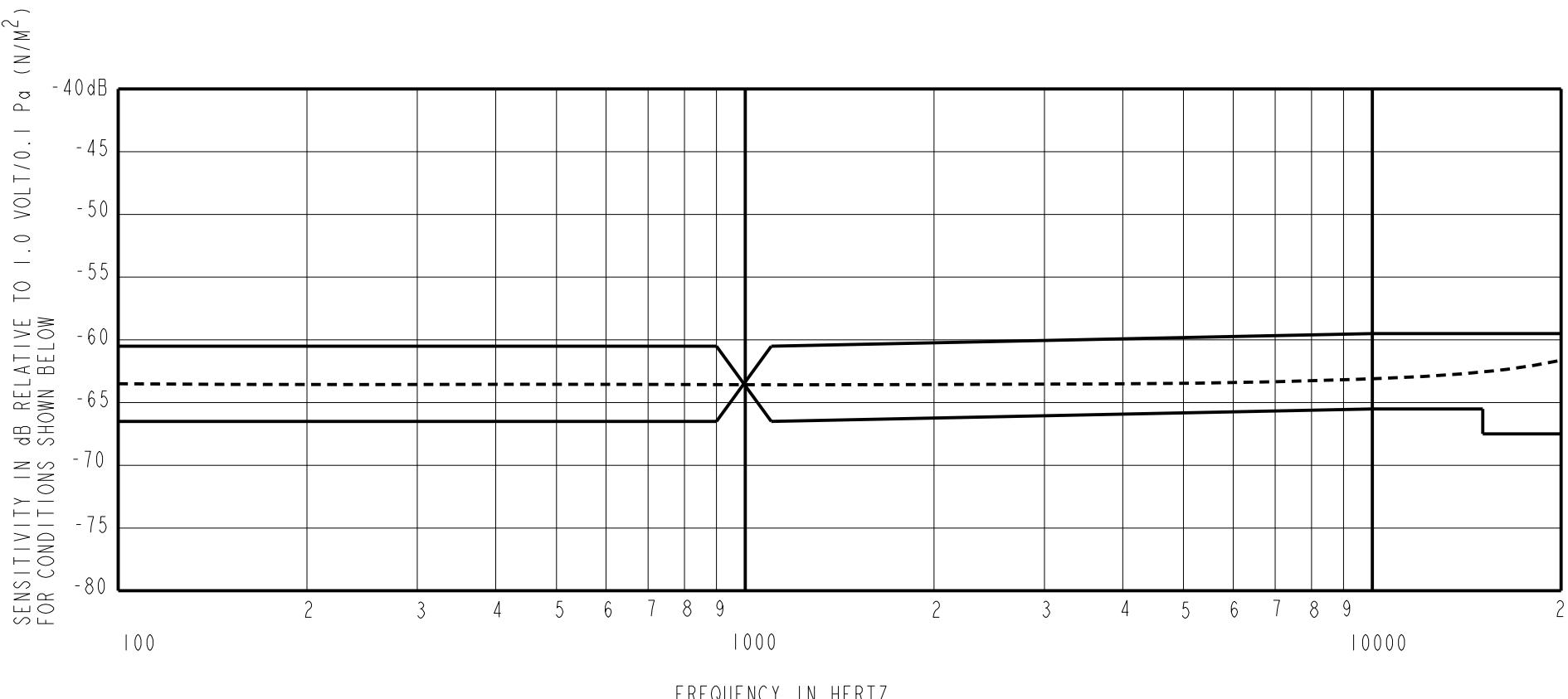


DIMENSIONS IN MILLIMETERS [INCHES]

KNOWLES ELECTRONICS  
ITASCA, ILLINOIS U.S.A.

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
H	M10104840	10-15-12	Active	H
G	M10104555	4-12-12		

SCALE:	10:1	DR. BY	DATE
	DO NOT SCALE DRAWING	MMM	6-12-07
TITLE:	MICROPHONE	CK. BY	DATE
	FC-23742-150	GJP	6-12-07
	OUTLINE DRAWING	APP. BY	DATE
		GJP	6-12-07
		KELIASIZE.FRM	
		Rev. B	



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:

1. CASE CONNECTED TO NEGATIVE TERMINAL.
2. MICROPHONE TO BE FUNCTIONAL WITH 3.0 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.

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

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				
TITLE: MICROPHONE		FC-23742-150	DR. BY MMM CK. BY GJP APP. BY GJP	DATE 6-12-07 DATE 6-12-07 DATE 6-12-07
PERFORMANCE SPECIFICATION		SHT 2.1		

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