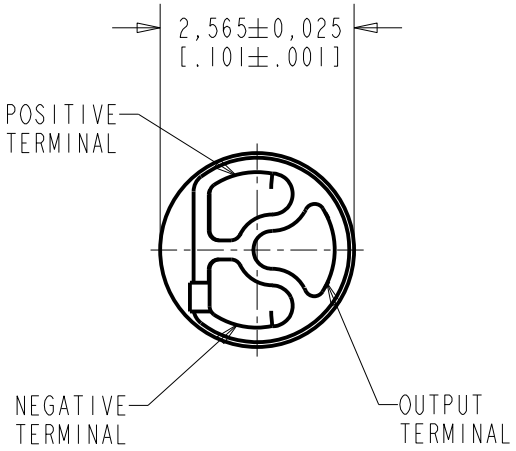
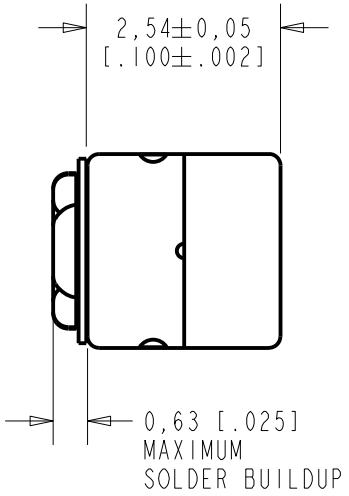
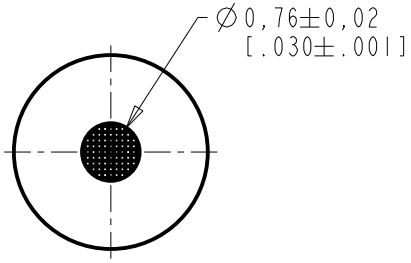
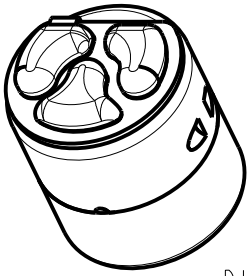
FC-23453-C05
SHT 1.1









DIMENSIONS IN MILLIMETERS [INCHES]

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
I	MI0105709	10-11-14	Active	I
H	MI0104840	10-10-12		
G	MI0104555	4-12-12		

KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.

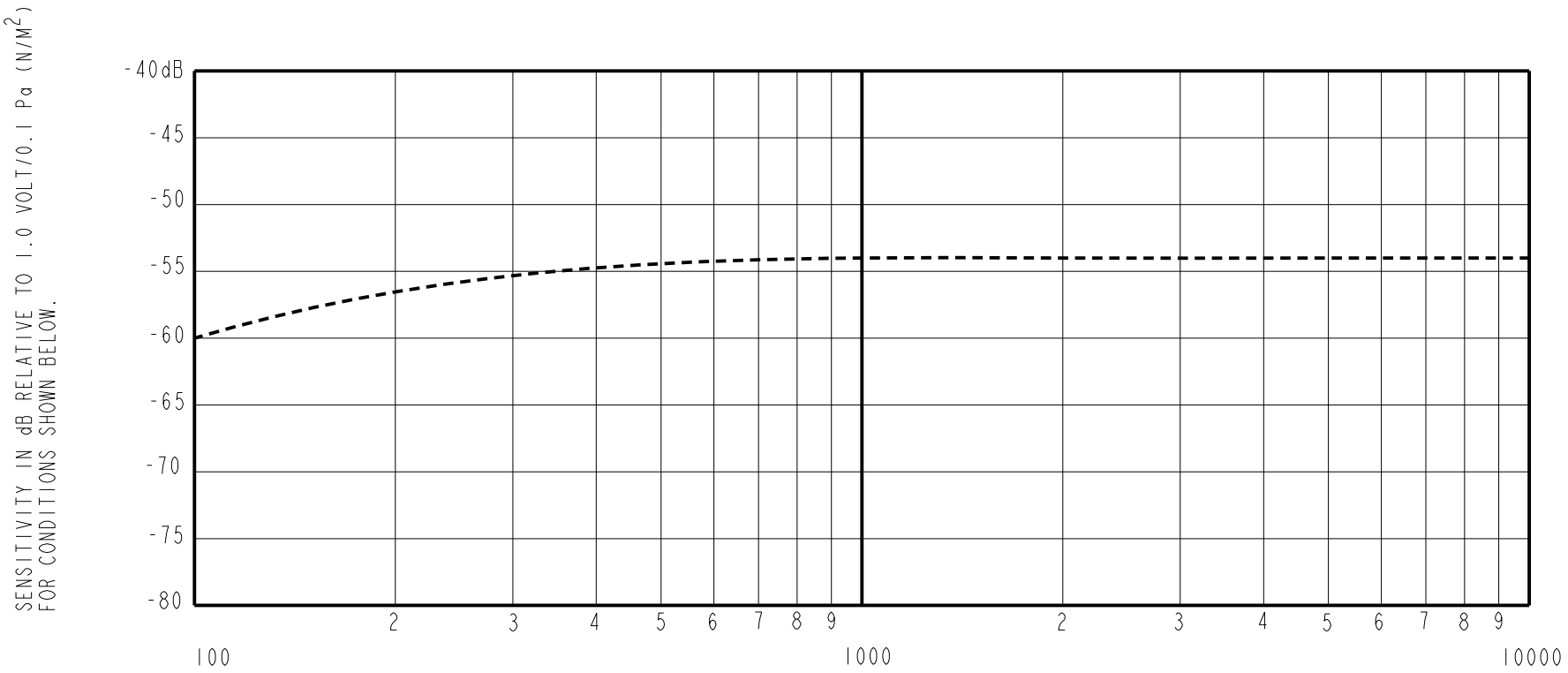
SCALE: 10:1

DO NOT SCALE DRAWING

TITLE: MICROPHONE
OUTLINE DRAWING

FC-23453-C05
SHT 1.1

DR. BY	DATE
MMM	11-18-05
CK. BY	DATE
GJP	11-22-05
APP. BY	DATE
GJP	11-22-05



SENSITIVITY

FREQUENCY	MIN.	NOM.	MAX.
100	---	-60.0	---
1000	-57.0	-54.0	-51.0
10000	---	-54.0	---

DEVICE CONFORMITY

RANGE OF DEVIATION FROM 1KHz	
-10.0	-3.0
0.0	0.0
-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 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 REDUCING SUPPLY TO 0.9VDC	"A" WEIGHTED NOISE (1 kHz EQUIV. SPL)	OUTPUT IMPEDANCE OHMS		
				MIN.	NOM.	MAX.
1.3V	50 µA MAX.	3 dB MAX.	32.0 dB MAX.	2800	4400	6800

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KNOWLES ELECTRONICS
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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
PERFORMANCE SPECIFICATION

FC-23453-C05
SHT 2.1

DR. BY	DATE
MMM	11-18-05
CK. BY	DATE
GJP	11-22-05
APP. BY	DATE
GJP	11-22-05