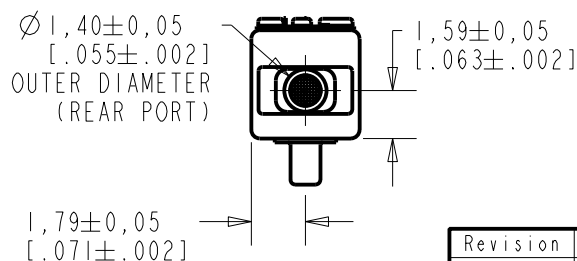
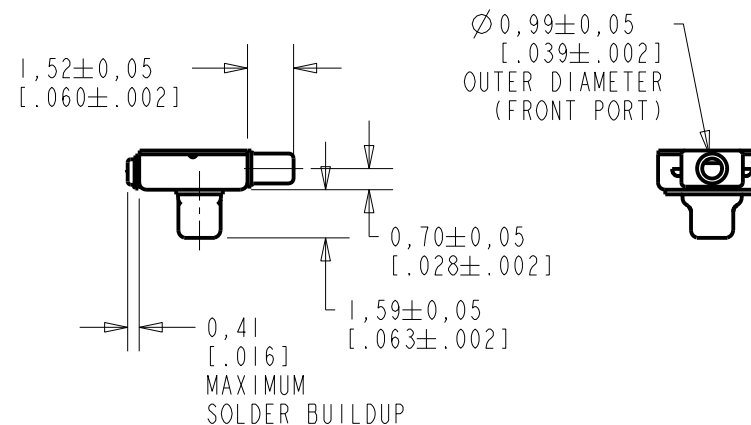
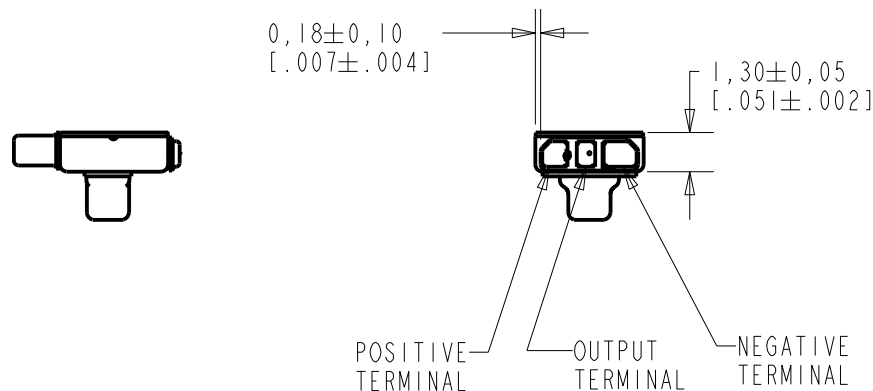
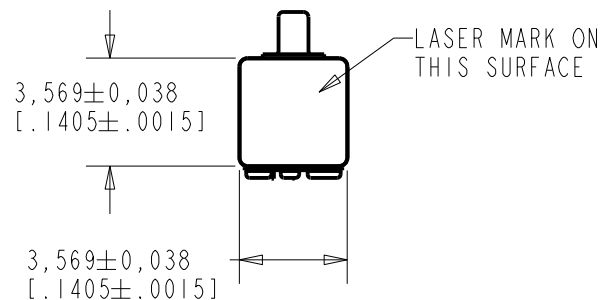


TD-24610-000

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.



NOMINAL WEIGHT  
.063 GRAMS

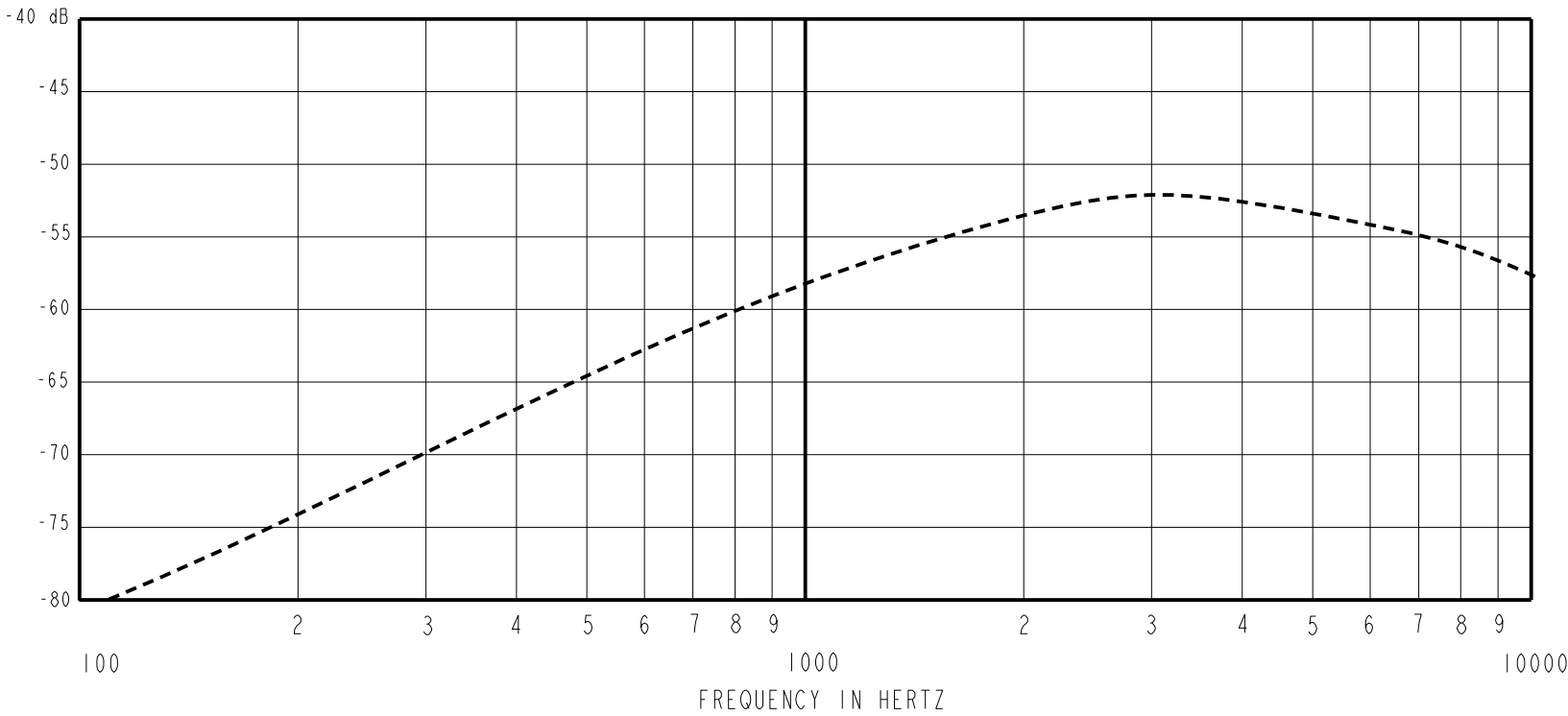
DIMENSIONS IN MILLIMETERS [INCHES]

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

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
H	MI0105050	5-20-13	Active	H
G	MI0104483	1-31-12		

SCALE: 4:1		DR. BY	DATE
DO NOT SCALE DRAWING		MMM	1-17-06
TITLE: MICROPHONE		CK. BY	DATE
OUTLINE DRAWING		GJP	1-19-06
TD-24610-000		APP. BY	DATE
SHT 1.1		GJP	1-19-06

SENSITIVITY IN dB RELATIVE TO 1.0 VOLT/0.1 Pa (N/M<sup>2</sup>)  
FOR CONDITIONS SHOWN BELOW.



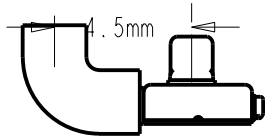
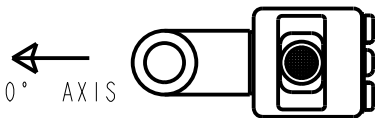
FREQUENCY	SENSITIVITY		
	MIN.	NOM.	MAX.
100	---	-68.0	---
1000	-60.5	-57.5	-54.5
~9500	---	-50.0	---

INTERNAL DELAY	8μS	11μS	14μS
----------------	-----	------	------

DEVICE CONFORMITY	
RANGE OF DEVIATION FROM 1KHz	
-13.5	-2.5
0.0	0.0
+4.0	+10.0

- 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 0.07 dB/%RH
4. SENSITIVITY AND NOISE VALUES INDICATED ON THIS SPECIFICATION ARE VALID AT 50% HUMIDITY.
5. MICROPHONE TESTED WITH REAR PORT BLOCKED.

PORT LOCATION	DC SUPPLY	AMPLIFIER CURRENT DRAIN	SENSITIVITY CHANGE ON REDUCING SUPPLY TO 0.9VDC	"A" WEIGHTED NOISE (dB re 1Vrms)	OUTPUT IMPEDANCE OHMS		
					MIN.	NOM.	MAX.
12C, 12KP	1.3V	50 μA MAX.	3 dB MAX.	-98.0 dB MAX.	2800	4400	6800



SCALE 4:1

KNOWLES ELECTRONICS  
ITASCA, ILLINOIS U.S.A.

Revision	C.O. #	Implementation Date	RELEASE LEVEL		REVISION
H	M10105050	5-20-13	Active		H
G	M10104483	1-31-12			

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	1-17-06
TITLE: MICROPHONE PERFORMANCE SPECIFICATION			CK. BY	DATE
			GJP	1-19-06
TD-24610-000 SHT 2.1			APP. BY	DATE
			GJP	1-19-06

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