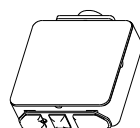
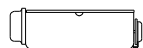
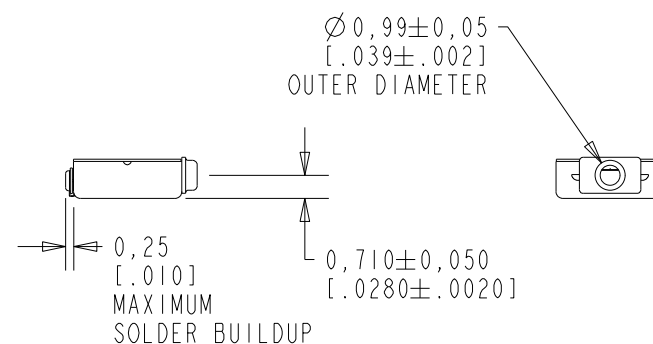
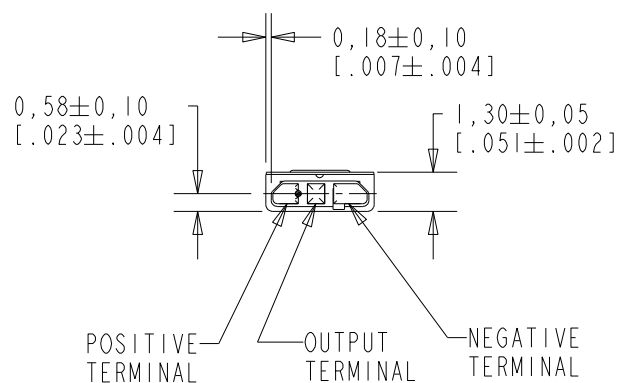
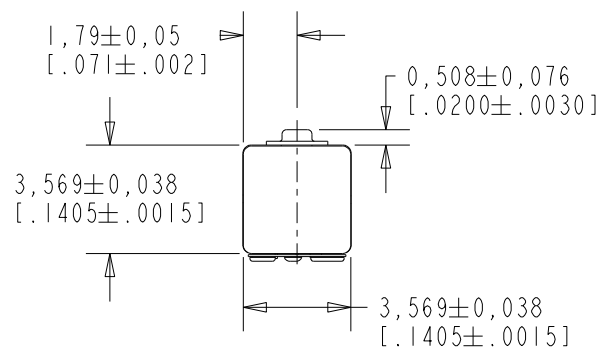


T0-30994-000

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.



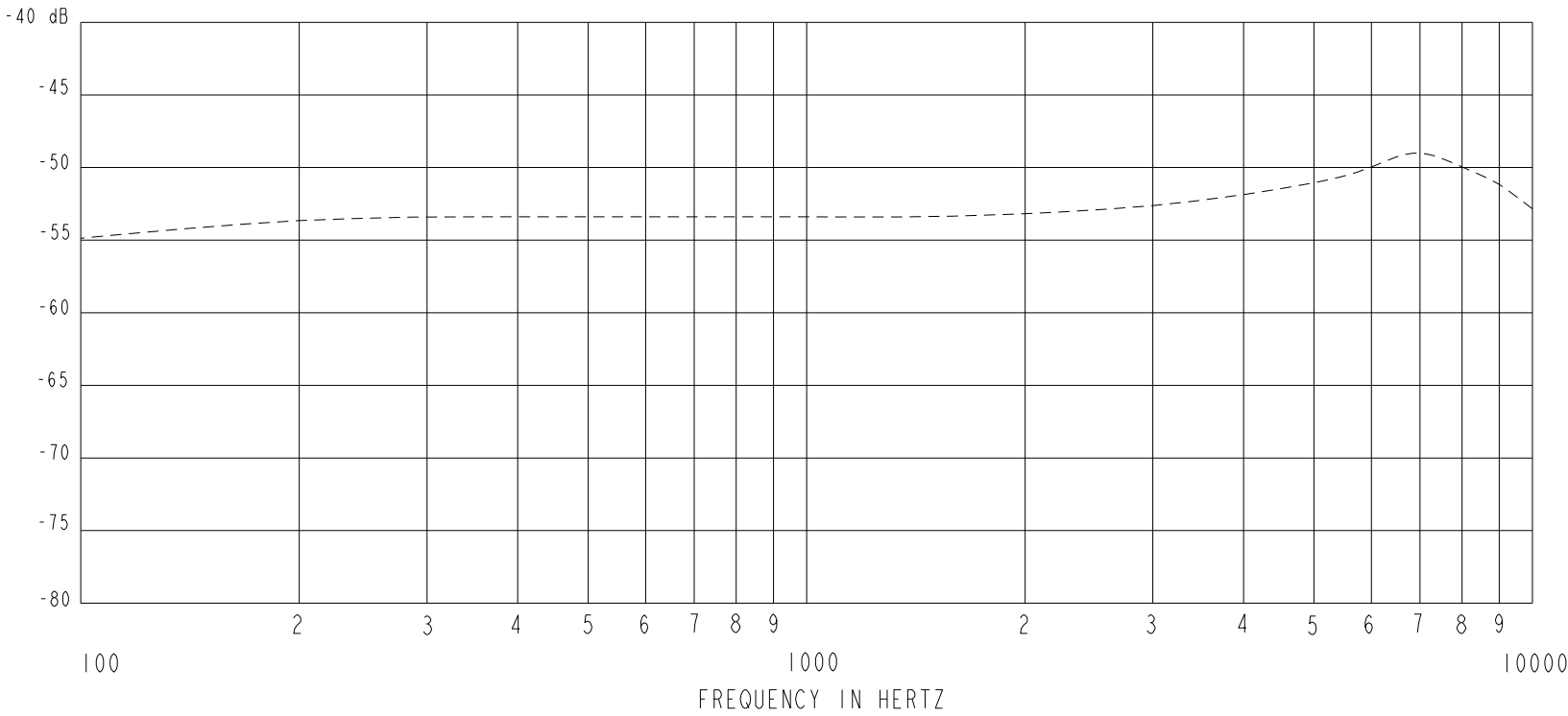
NOMINAL WEIGHT
.063 GRAMS

DIMENSIONS IN MILLIMETERS [INCHES]

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
K	MI0107586	10-31-17	Active	K
J	MI0106951	11-01-16		
SCALE: 4:1			DR. BY SDZ	DATE 12-15-09
DO NOT SCALE DRAWING			CK. BY GJP	DATE 12-15-09
TITLE: MICROPHONE		T0-30994-000		APP. BY GJP
OUTLINE DRAWING		SHT 1.1		DATE 12-15-09

KNOWLES CORPORATION

SENSITIVITY IN dB RELATIVE TO 1.0 VOLT/0.1 Pa (N/M²)
FOR CONDITIONS SHOWN BELOW.

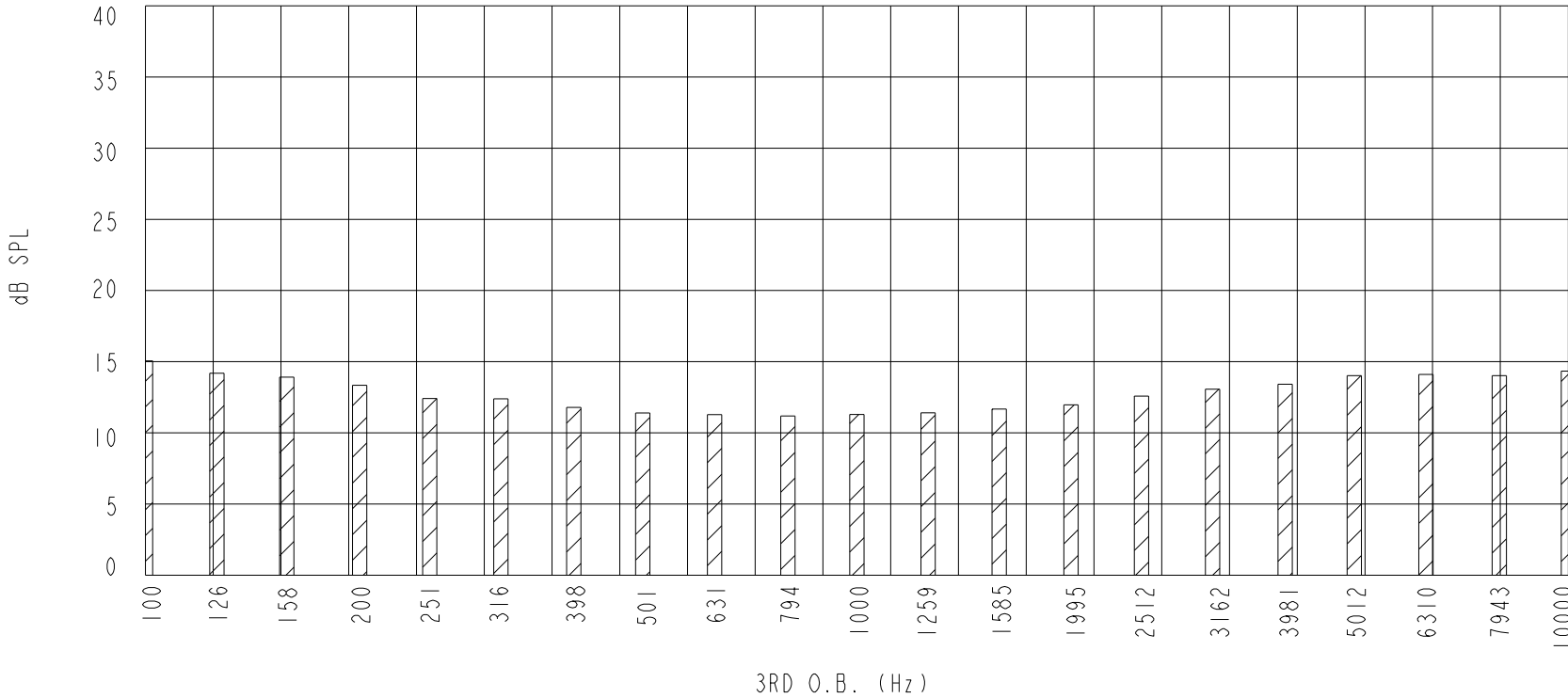


FREQUENCY	SENSITIVITY			DEVICE CONFORMITY	
	MIN.	NOM.	MAX.	RANGE OF DEVIATION FROM 1KHz	
70	---	-57.0	---	-5.0	-1.0
1000	-57.0	-54.0	-51.0	0.0	0.0
5500~8500	---	-48.0	---	+3.0	+9.0

- 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 0.03 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		
				NOM.	MAX.	MIN.	NOM.	MAX.
12C	1.3V	75 µA MAX.	3 dB MAX.	25.0 dB	27.0 dB	1500	3750	6000

1/3RD OCTAVE BAND INPUT REFERRED NOISE - TYPICAL



Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
K	M10107586	10-31-17	Active	K
J	M10106951	11-01-16		

KNOWLES CORPORATION

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

TO-30994-000
SHT 2.1

DR. BY	DATE
SDZ	12-15-09
CK. BY	DATE
GJP	12-15-09
APP. BY	DATE
GJP	12-15-09