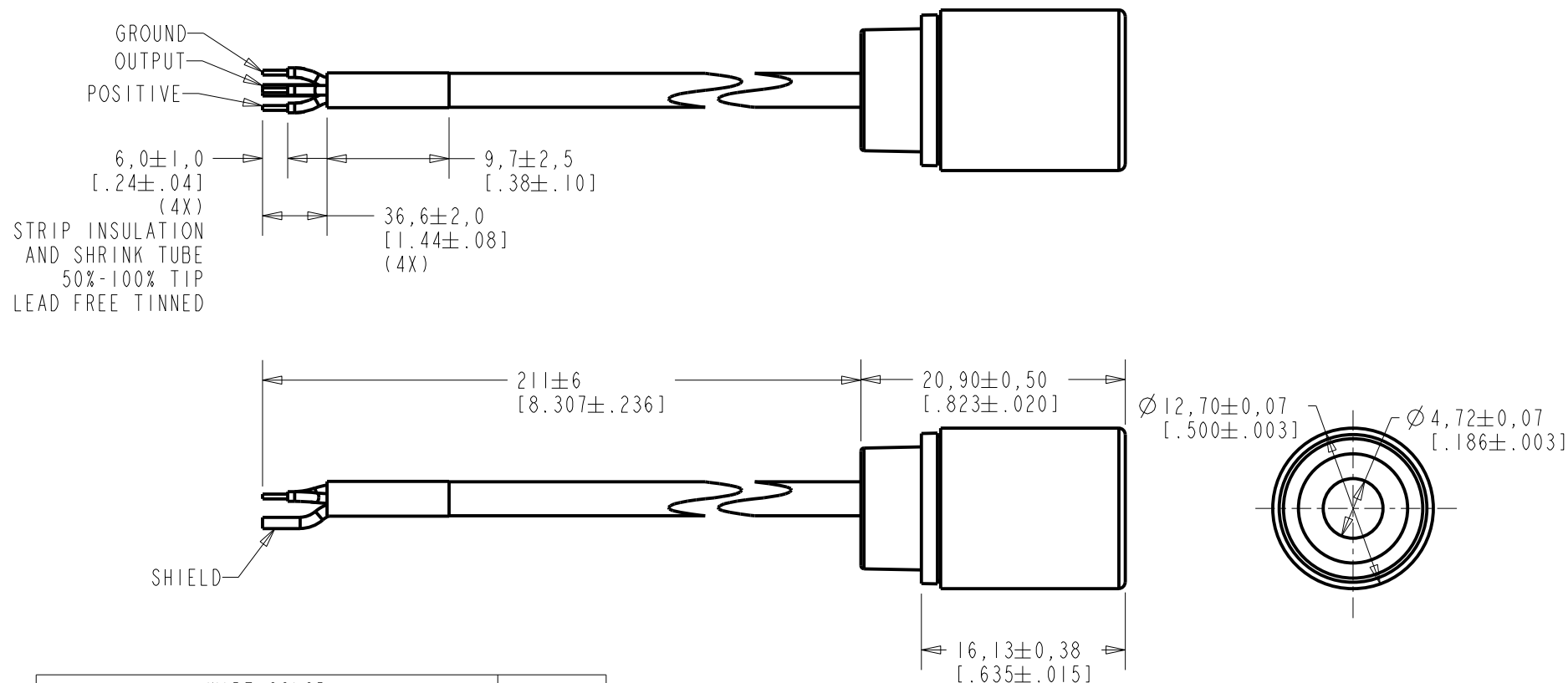


VEK-H-30230-000

SHT 1.1



WIRE COLOR				WEIGHT GRAMS
+ve	OUTPUT	-ve	SHIELD	
RED	WHITE	BLACK	HEATSHRINK	4.6

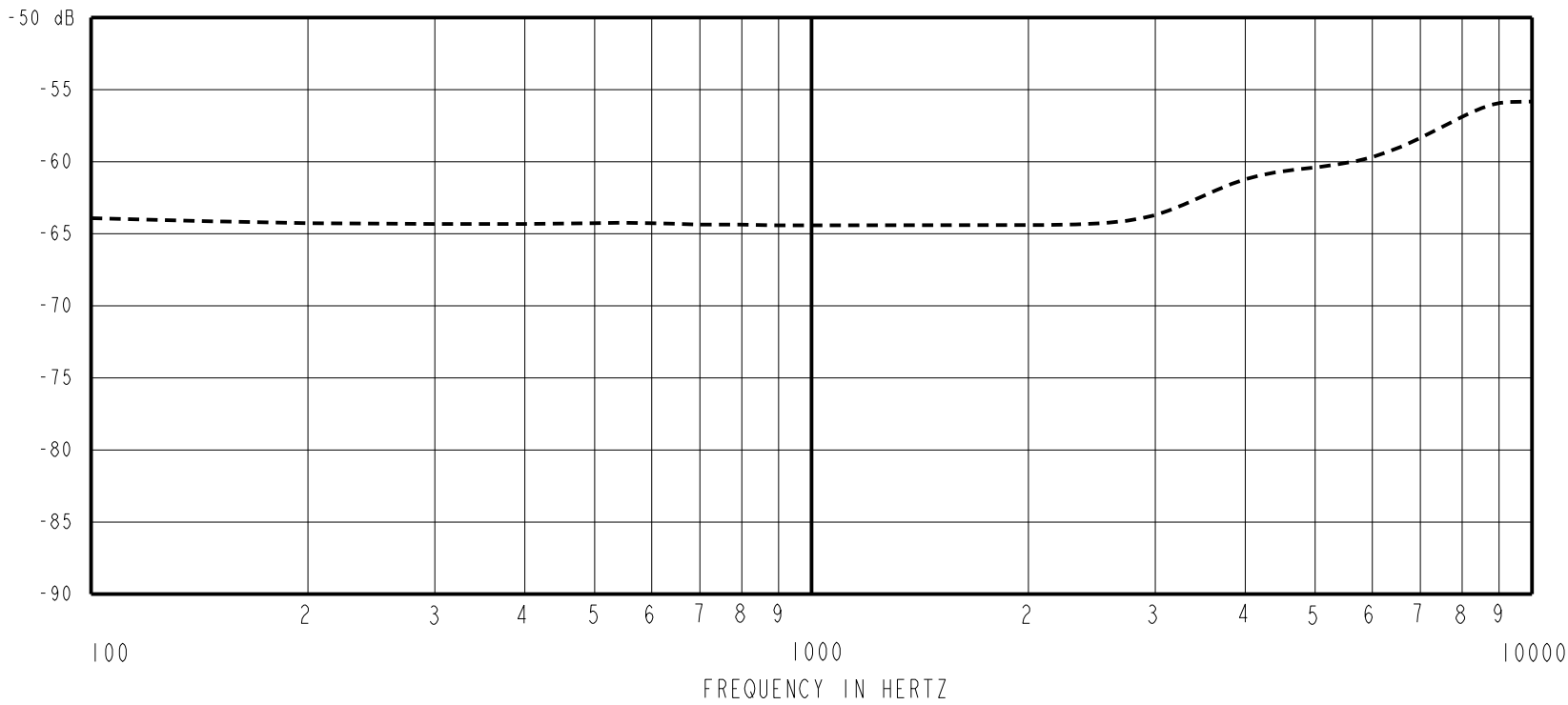
DIMENSIONS IN MILLIMETERS [INCHES]

KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
D	C40101472	7-2-14	Active	D
B	C10108851	8-19-08		
A	C10106336	9-07-07		

SCALE: 2:1		DR. BY	DATE
DO NOT SCALE DRAWING		SDZ	9-07-07
TITLE: MICROPHONE		CK. BY	DATE
VEK-H-30230-000		GJP	9-14-07
OUTLINE DRAWING		APP. BY	DATE
SHT 1.1		GJP	9-14-07

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

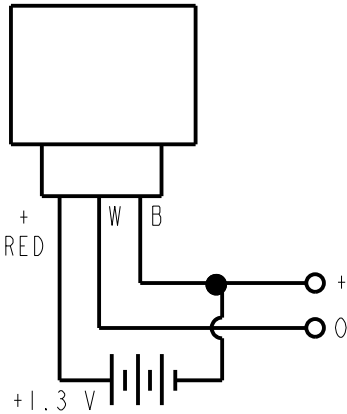


FREQUENCY	SENSITIVITY			DEVICE CONFORMITY	
	MIN.	NOM.	MAX.	RANGE OF DEVIATION FROM 1KHz	
100	---	-54.0	---	-3.0	+3.0
1000	-57.0	-54.0	-51.0	0.0	0.0
10000	---	-46.0	---	+5.0	+11.0

NOTES:

- CASE CONNECTED TO NEGATIVE TERMINAL.
- MICROPHONE TO BE FUNCTIONAL WITH 10 VDC SUPPLY.
- CONFORMS TO REQUIREMENTS SHOWN ON 'ELECTRET MICROPHONE ENVIRONMENTAL QUALIFICATIONS TEST, EK-PA SHEET 2.2' WITH REF. FREQ. 1000 Hz.
- TYPICAL SENSITIVITY TO HUMIDITY AT 1000 Hz IS 0.02 dB/%RH.
- SENSITIVITY AND NOISE VALUES INDICATED ON THIS SPECIFICATION ARE VALID AT 50% HUMIDITY.

DC SUPPLY	AMPLIFIER CURRENT DRAIN	"A" WEIGHTED NOISE (1 kHz EQUIV. SPL)	OUTPUT IMPEDANCE OHMS		
			MIN.	NOM.	MAX.
1.3V	N/A	26.0 dB MAX.	N/A	N/A	N/A



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D	C40101472	7-2-14	Active	D
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A	C10106336	9-07-07		
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 SDZ	DATE 9-07-07
TITLE: MICROPHONE			CK. BY GJP	DATE 9-14-07
PERFORMANCE SPECIFICATION			APP. BY GJP	DATE 9-14-07
VEK-H-30230-000			SHT 2.1	

KNOWLES ELECTRONICS
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Mouser Electronics

Authorized Distributor

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