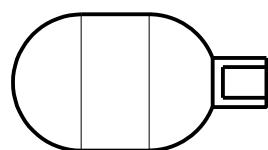
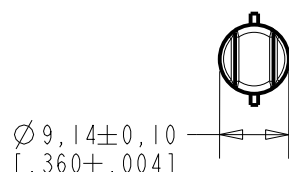
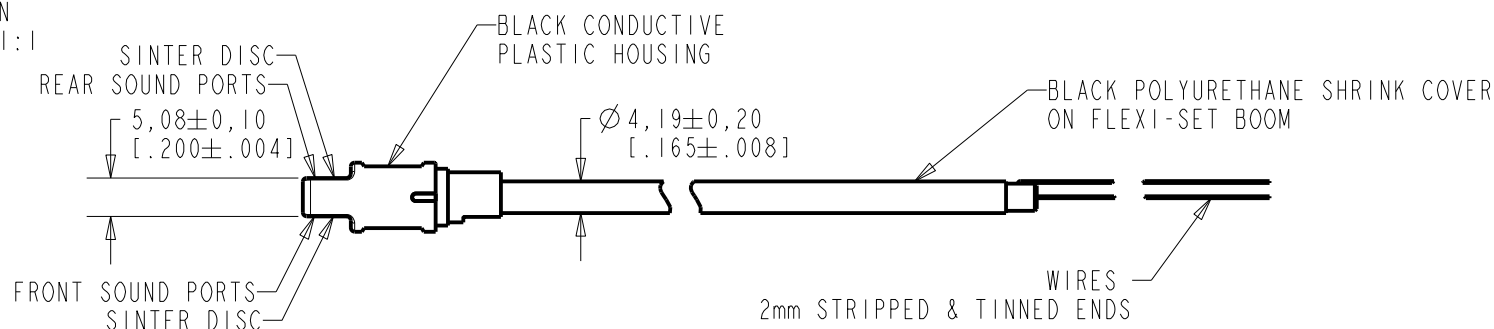


FB-DR-30366-000
SHT 1.1



TOP VIEW
W/ WINDSHIELD
SHOWN
SCALE 1:1



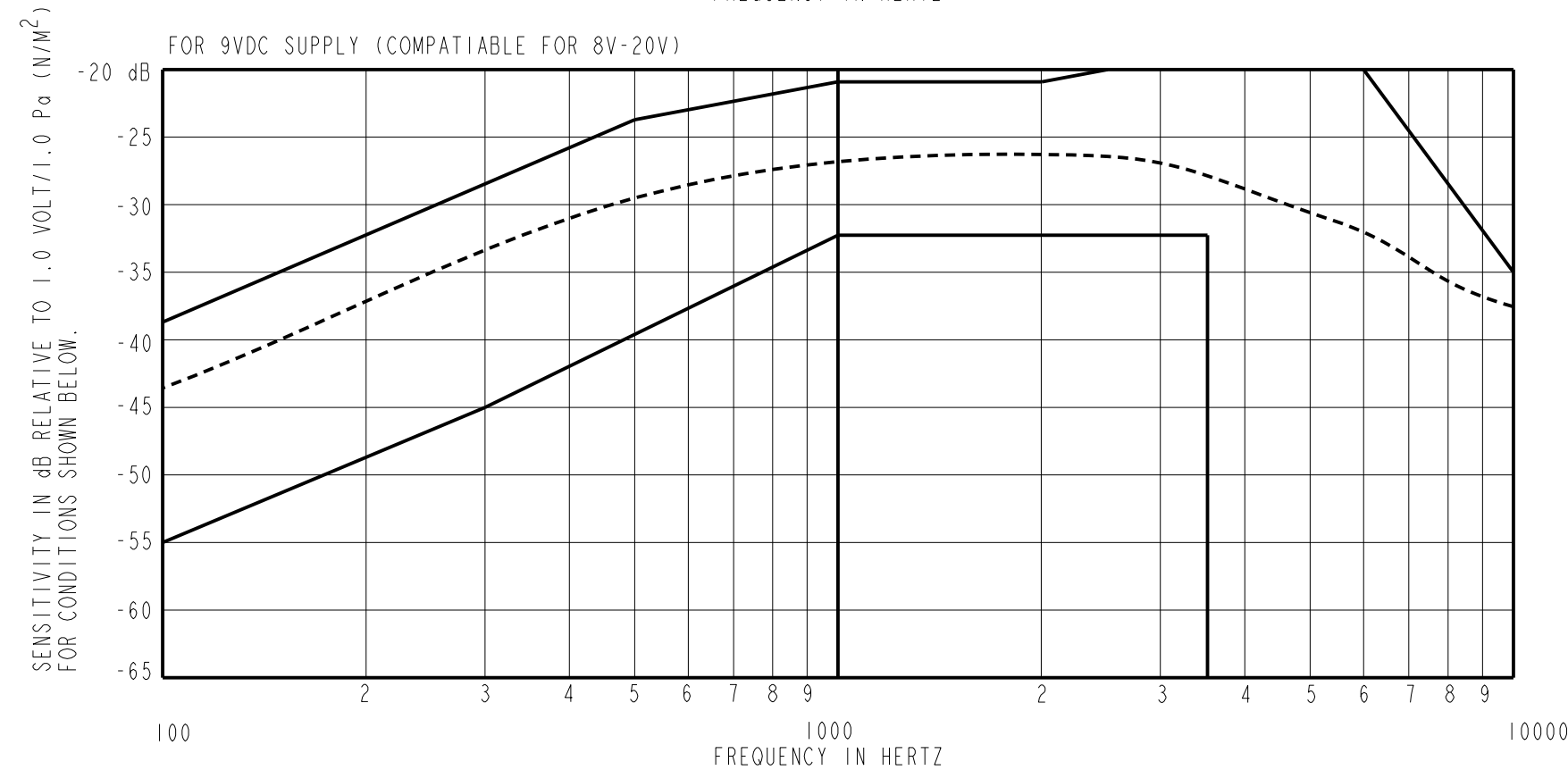
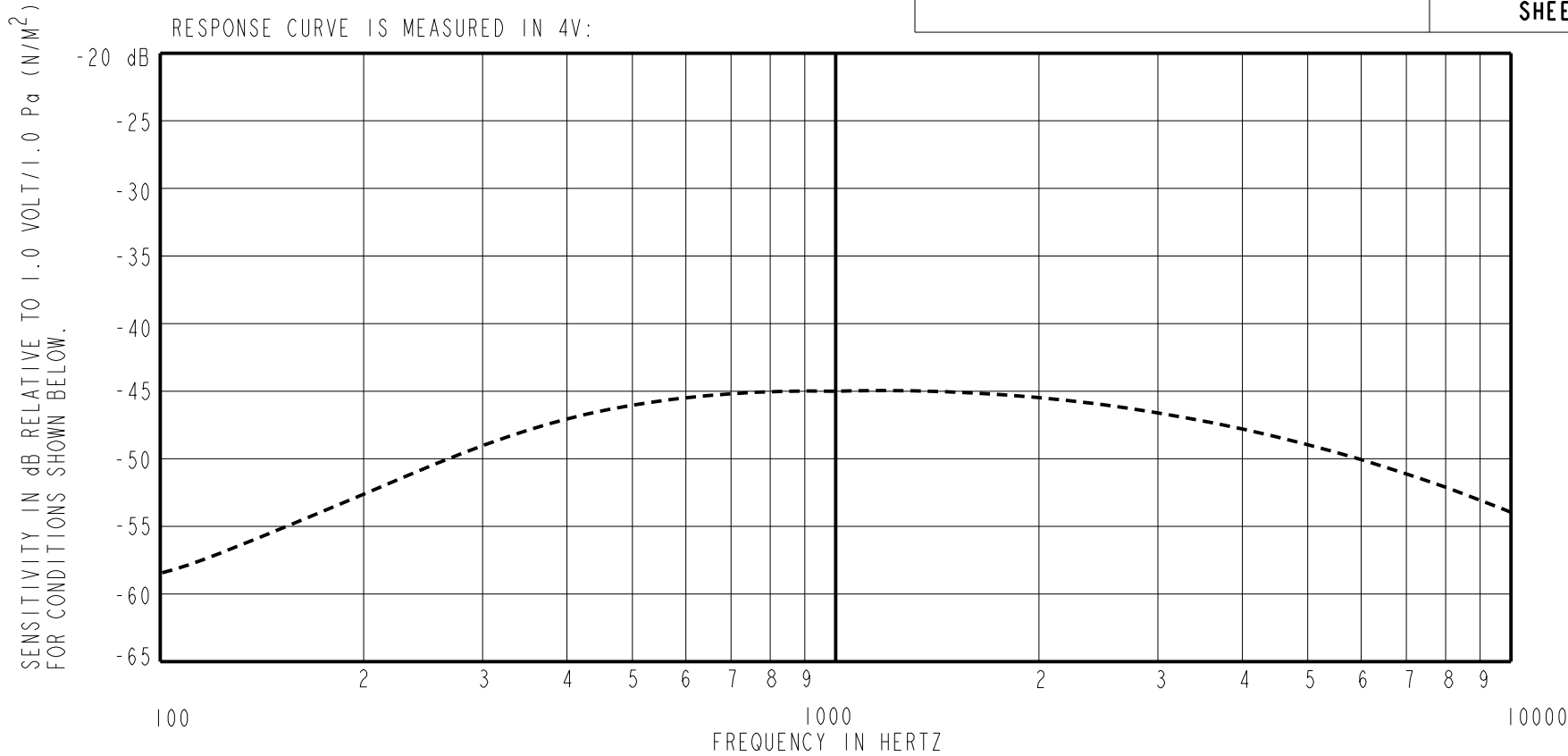
WIRE COLOR			WEIGHT GRAMS
+ve	-ve	SHORT WITH BOOM	
RED	BLUE	GREEN	11.7

NOTES:
CONNECTION TO MICROPHONE IS POLARITY INDEPENDENT
DIMENSIONS IN MILLIMETERS [INCHES]

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
B	C40101508	9-4-14	Active	B
A	C40101111	9-25-12		

KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.

SCALE: 1:2		DR. BY	DATE
DO NOT SCALE DRAWING		OQ	9-25-12
TITLE: BOOM MICROPHONE		CK. BY	DATE
FB-DR-30366-000		GJP	10-8-12
OUTLINE DRAWING		APP. BY	DATE
SHT 1.1		GJP	10-9-12



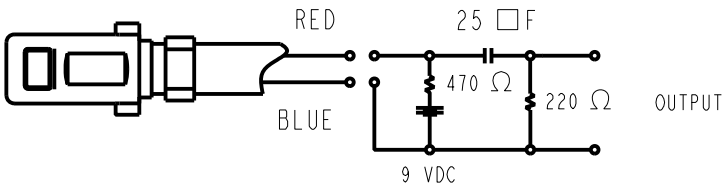
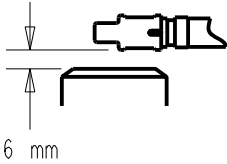
SENSITIVITY (WITH 4VDC SUPPLY)				DEVICE CONFORMITY		SENSITIVITY (WITH 8-20VDC SUPPLY)				DEVICE CONFORMITY	
FREQUENCY	MIN.	NOM.	MAX.	RANGE OF DEVIATION FROM 1KHZ		FREQUENCY	MIN.	NOM.	MAX.	RANGE OF DEVIATION FROM 1KHZ	
100	---	---	---	-30.0	-5.0	100	---	-44.0	---	-28.0	-12.0
300	---	---	---	-10.0	---	300	---	-33.0	---	-18.0	---
500	---	---	---	---	+5.0	500	---	-30.0	---	---	+3.0
1000	-50.0	-45.0	-40.0	---	---	1000	-32.0	-27.0	-22.0	---	---
2000	---	---	---	-5.0	+5.0	2000	---	-25.5	---	-5.0	+5.0
2500	---	---	---	-5.0	+5.0	2500	---	-26.0	---	-5.0	+8.0
3000	---	-47.0	---	-5.0	+5.0	3500	---	-27.5	---	-5.0	+8.0
3500	---	---	---	---	+5.0	6000	---	-32.0	---	---	+8.0
6000	---	---	---	---	+5.0	10000	---	-37.0	---	---	-8.0
10000	---	---	---	---	-5.0						

NOTES:

- SENSITIVITY VALUES INDICATED ON THIS SPECIFICATION ARE AT 50% HUMIDITY.
- TEST CONDITIONS:
HEAD OF BOOM EXPOSED TO 94 dBSPL SWEPT SOUND FIELD
AT 6mm FROM VOICE APERTURE.
ARTIFICIAL VOICE: B & K 4227 MOUTH SIMULATOR.
- FOR MICROPHONE CAPSULE SPEC. SEE NR-30610-000 SHEET 2.1
- CONNECTION TO MICROPHONE IS POLARITY INDEPENDENT
- MAX SPL@ 1KHZ : 125dB SPL.
- MIC BOOM IMPEDANCE : 40 ohm MAX.
- SENSITIVITY V.S. VDC :

	4V	5V	6V	7V	8V-20V
1 KHZ	-45±5	-36±5	-33±5	-31.5±5	-27±5

- OPERATING VOLTAGE : 8V-20V



LEAD IDENTIFICATION
& TEST CIRCUIT

KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.

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: **BOOM MICROPHONE**
PERFORMANCE SPECIFICATION

FB-DR-30366-000
SHT 2.1

DR. BY	DATE
OQ	9-25-12
CK. BY	DATE
GJP	10-8-12
APP. BY	DATE
GJP	10-9-12