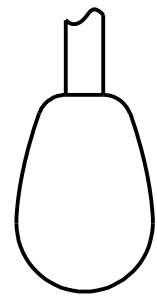
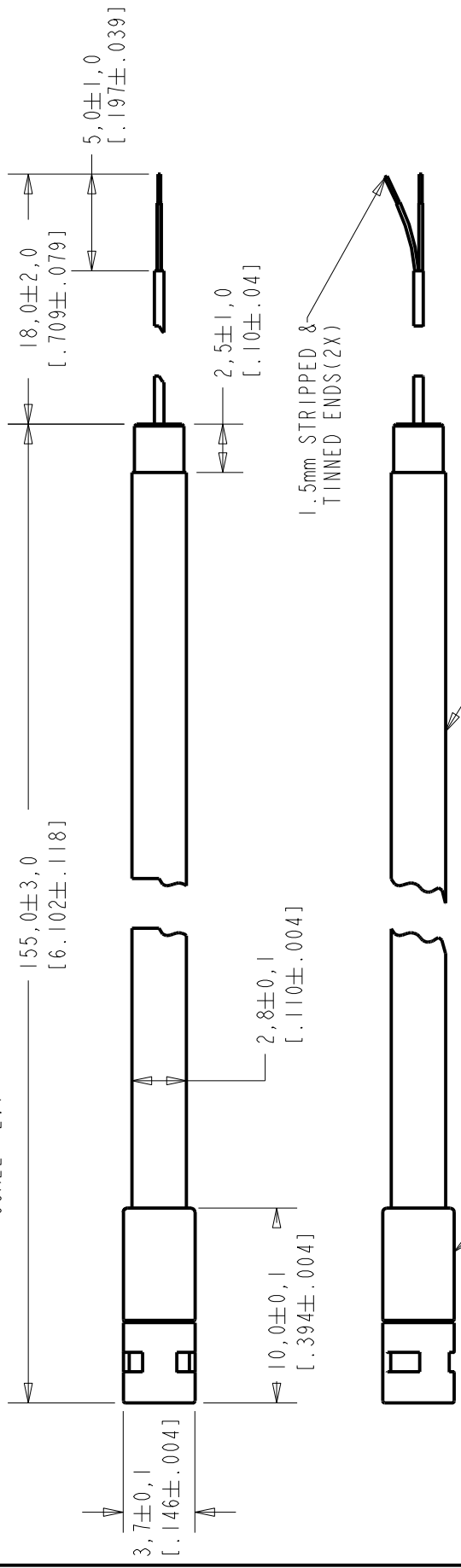


FB-BU-31193-000
SHT I. I



TOP VIEW
W/ WINDSHIELD SHOWN
SCALE 2:1

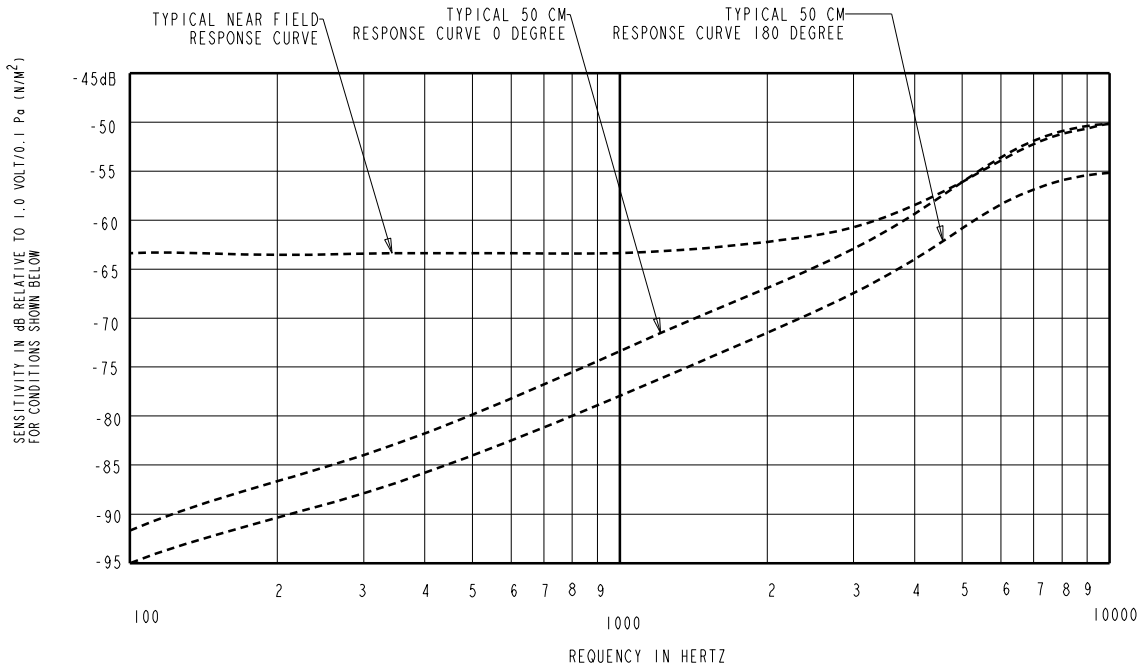


WIRE COLOR	WEIGHT GRAMS
+ve	-ve
GREY	SHIELD t. b. d.

DIMENSIONS IN MILLIMETERS [INCHES]

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
B	C40100682	6-16-11	Active	B
A	C10111972P	4-8-11		
SCALE: 33:100				
DO NOT SCALE DRAWING				
TITLE: BOOM MICROPHONE FB-BU-31193-000			DR. BY 00	DATE 4-8-11
OUTLINE DRAWING			CK. BY GJP	DATE 4-13-11
			APP. BY GJP	DATE 4-13-11
			SHT I. I	

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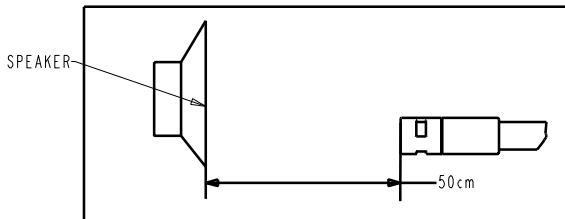
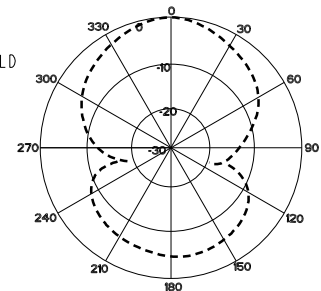


0 DEGREE SENSITIVITY				DEVICE CONFORMITY	
FREQUENCY	MIN.	NOM.	MAX.	RANGE OF DEVIATION FROM 1 kHz	
300	---	-84.0	---	-15.0	-5.0
1000	-78.0	-74.0	-70.0	0.0	0.0
5000	---	-58.0	---	+11.0	+21.0

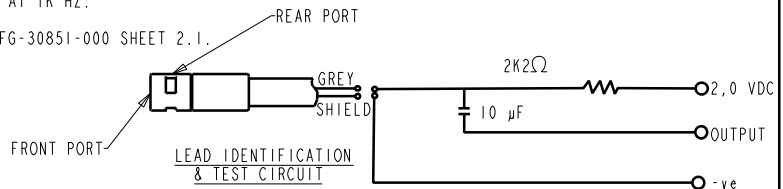
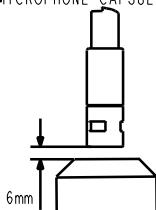
NOTES:

- MICROPHONE TO BE FUNCTIONAL WITH 3.0 VDC SUPPLY.
- SENSITIVITY VALUES INDICATED ON THIS SPECIFICATION ARE VALID AT 50% HUMIDITY.
- TEST CONDITIONS (50 cm RESPONSE):
PLACE PRODUCT IN CLIO UNI TESTER SYSTEM, 50 CM AWAY FROM 74 dB SPL SWEPT SOUND FIELD CREATED BY SPEAKER.

TYPICAL (REFERENCE ONLY) POLAR PATTERN AT 4kHz



- FRONT TO BACK RATIO MAX. 4dB AT 1kHz.
- TEST CONDITIONS (NEAR FIELD):
HEAD OF BOOM EXPOSED TO 74 dB SPL SWEPT SOUND FIELD AT 6MM FROM VOICE APERTURE.
ARTIFICIAL VOICE: B & K 4227 MOUTH SIMULATOR.
- NEAR FIELD SENSITIVITY: -64 +/- 4 dB AT 1K HZ.
- FOR MICROPHONE CAPSULE SPEC. SEE DFG-30851-000 SHEET 2.1.



Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
B	C40100682	6-16-11	Active	B
A	C10111972P	4-8-11		

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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: **BOOM MICROPHONE** **FB-BU-31193-000**
PERFORMANCE SPECIFICATION **SHT 2.1**

DR. BY	DATE
OO	4-8-11
CK. BY	DATE
GJP	4-13-11
APP. BY	DATE
GJP	4-13-11