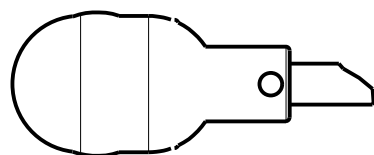


FB-EM-30342-000

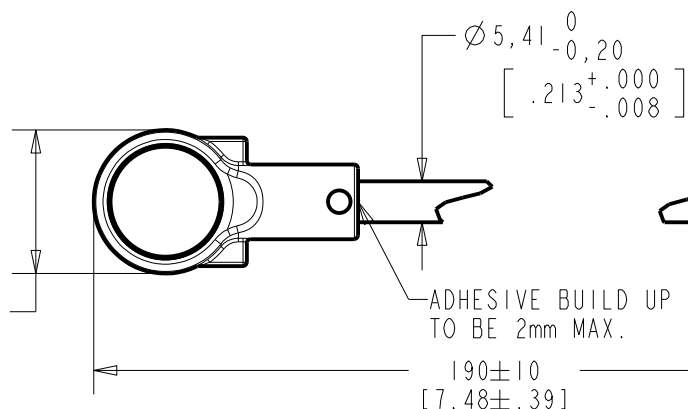
SHT 1.1

RED CONTROLLED

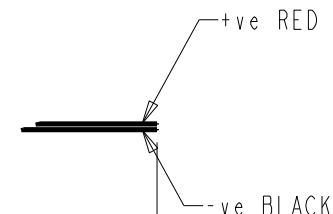


TOP VIEW
W/WINDSHIELD SHOWN
SCALE 1:1

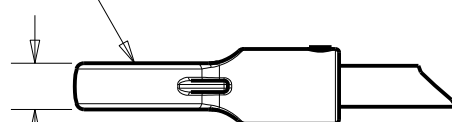
$\varnothing 19,0 \pm 0,3$
[.748 $\pm$.012]



60 $\pm$ 5
[2.36 $\pm$.20]

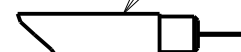


PLASTIC HOUSING, BLACK



6,10 $\pm$ 0,12
[.240 $\pm$.005]

BLACK POLYURETHANE SHRINK COVER
ON FLEXI-SET BOOM



WIRES

2mm STRIPPED & TINNED ENDS

WIRE COLOR			WEIGHT GRAMS
+ve	OUTPUT	-ve	
RED	---	BLACK	---

DIMENSIONS IN MILLIMETERS [INCHES]

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
C	C40101206	3-6-13	Active	C
B	C10107747	8-9-08		
A	C10107368	5-27-08		

SCALE: 1:1

DO NOT SCALE DRAWING

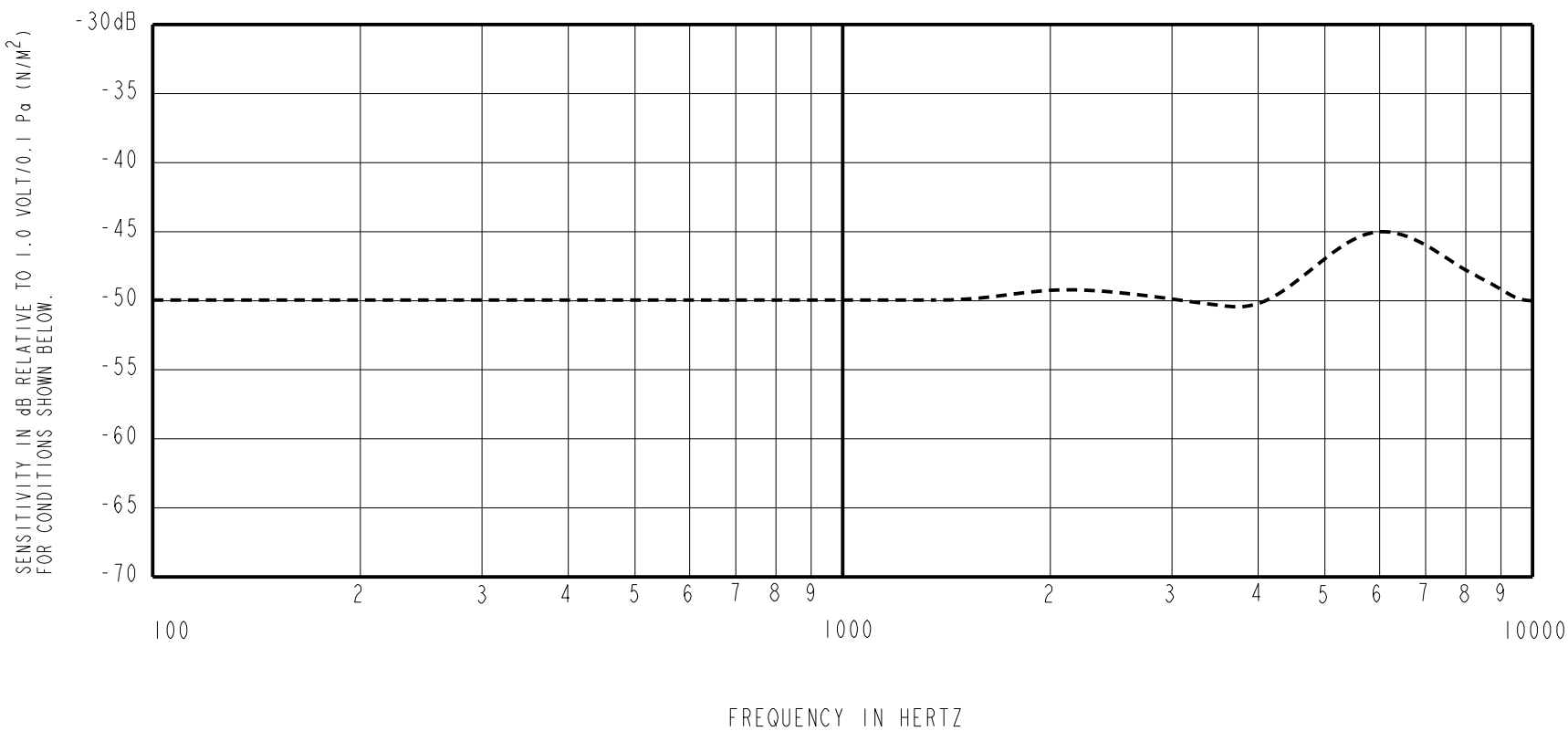
TITLE: BOOM MICROPHONE FB-EM-30342-000

OUTLINE DRAWING

SHT 1.1

DR. BY	DATE
TT	5-27-08
CK. BY	DATE
GJP	6-4-08
APP. BY	DATE
GJP	6-4-08

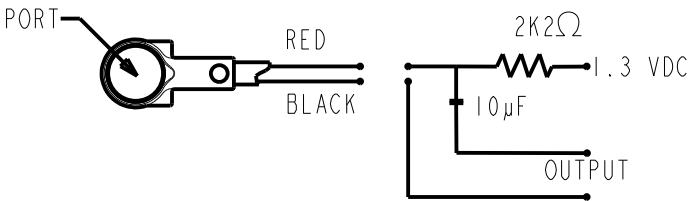
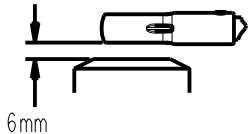
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ITASCA, ILLINOIS U.S.A.



FREQUENCY	SENSITIVITY			DEVICE CONFORMITY RANGE OF DEVIATION FROM 1KHz	
	MIN.	NOM.	MAX.		
300	---	-50.0	---	-4.0	+4.0
1000	-54.0	-50.0	-46	0.0	0.0
2000	---	-49.5	---	-4.0	---
6000	---	-45.5	---	0.0	+9

NOTES:

- MICROPHONE TO BE FUNCTIONAL WITH 10 VDC SUPPLY.
- SENSITIVITY VALUES INDICATED ON THIS SPECIFICATION ARE VALID AT 50% HUMIDITY.
- TEST CONDITIONS:
HEAD OF BOOM EXPOSED TO 74 dBSPL SWEPT SOUND FIELD AT 6mm FROM VOICE APERTURE.
ARTIFICIAL VOICE:
B & k 4227 MOUTH SIMULATOR.
- FOR MICROPHONE CAPSULE SPEC. SEE DRAWING NR-25994-D63 SHEET 2.1.
- SURVIVES SUBMERSION IN 1m OF WATER FOR 5 MINUTES; SENSITIVITY WITHIN 3dB OF INITIAL SENSITIVITY AFTER DRIED FOR 30 MINUTES AT ROOM TEMPERATURE.



RED CONTROLLED

LEAD IDENTIFICATION
& TEST CIRCUIT

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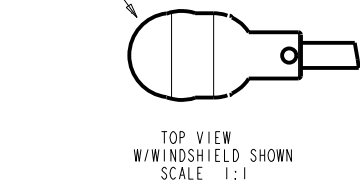
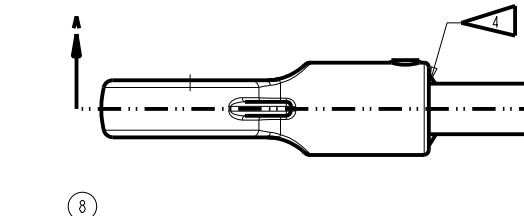
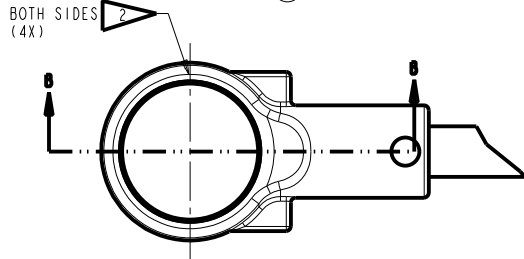
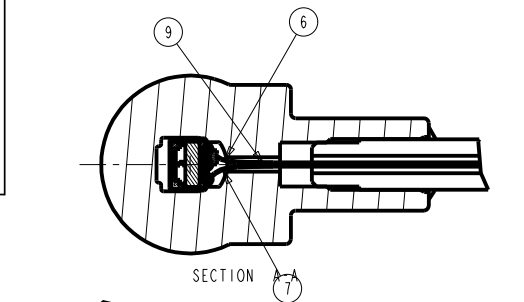
Revision	C.O. #	Implementation Date	RELEASE LEVEL		REVISION
C	C40101206	3-6-13	Active		C
B	C10107747	8-9-08			
A	C10107368	5-27-08			
WHEN TEST LIMITS ARE USED TO ESTABLISH INCOMING INSPECTION ACCEPTANCE/REJECTION CRITERIA, CORRELATION OF TEST EQUIPMENT WITH KNOWLES IS ALSO REQUIRED FOR ELIMINATION OF EQUIPMENT AND TEST METHOD VARIATION			DR. BY	DATE	
			TT	5-27-08	
TITLE: BOOM MICROPHONE FB-EM-30342-000 PERFORMANCE SPECIFICATION SHT 2.1			CK. BY	DATE	
			GJP	6-4-08	
			APP. BY	DATE	
			GJP	6-4-08	

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FB-EM-30342-000

RED CONTROLLED

- NOTES:
1. ITEM NUMBERS (SHOWN THUS **b**) ON DRAWING CORRESPOND WITH ITEM NUMBERS ON BILL OF MATERIAL.
 2. ATTACH ITEM **4** TO ITEM **1** IN 4 PLACES MINIMUM ON EACH SIDE USING CEMENT.
 3. SEAL BOOM END WITH ITEM **10**. BUILD UP TO BE 2mm MAX.
 4. SEAL WHOLE HEAD CAVITY WITH ITEM **9**, WIRE HOLE MUST BE FILLED, ADHESIVE BUILD UP TO BE 2mm MAX.



MATERIAL		SEE BILL OF MATERIALS					
REF.	10-1747	A	C10107368	B	C10107747	C	C40101206
RENAME IN PROVE FROM FB-30342-000 TO FB-EM-30342-000 11 8-11-68						UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES	
UPDATE THE REVISION 00 3-4-13						THIRD ANGLE PROJECTION	

RELEASE LEVEL		REVISION	
Active		C	
SCALE: 2:1		DO NOT SCALE DRAWING	
DR. BY	DATE	CH. BY	DATE
TT	5-27-08	GJP	6-4-08
APP. BY	DATE	GJP	6-4-08
BOOM MICROPHONE ASSEMBLY		FB-EM-30342-000	
SHEET 3.1		REV: B	

