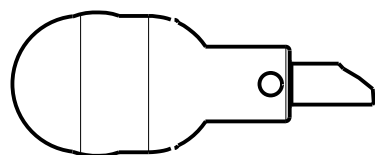


FB-EM-30343-000

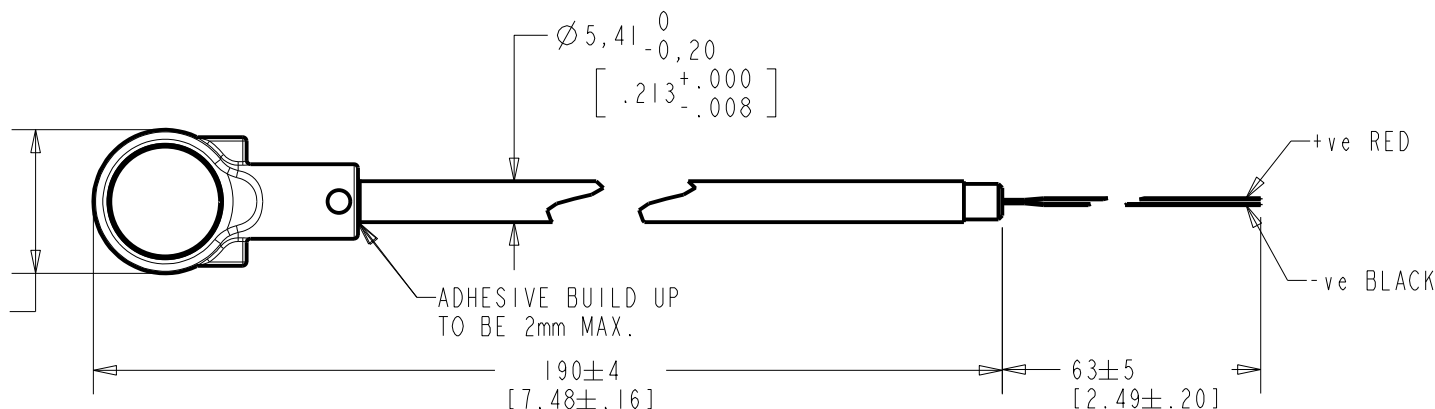
SHT 1.1

RED CONTROLLED



TOP VIEW
W/WINDSHIELD SHOWN
SCALE 1:1

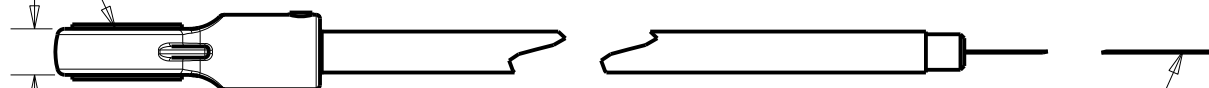
$\varnothing 19,0 \pm 0,3$
[.748 $\pm$.012]



PLASTIC HOUSING, BLACK



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



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	3-7-13	Active	C
B	C10107748	8-12-08		
A	C10107379	6-26-08		

SCALE: 1:1

DO NOT SCALE DRAWING

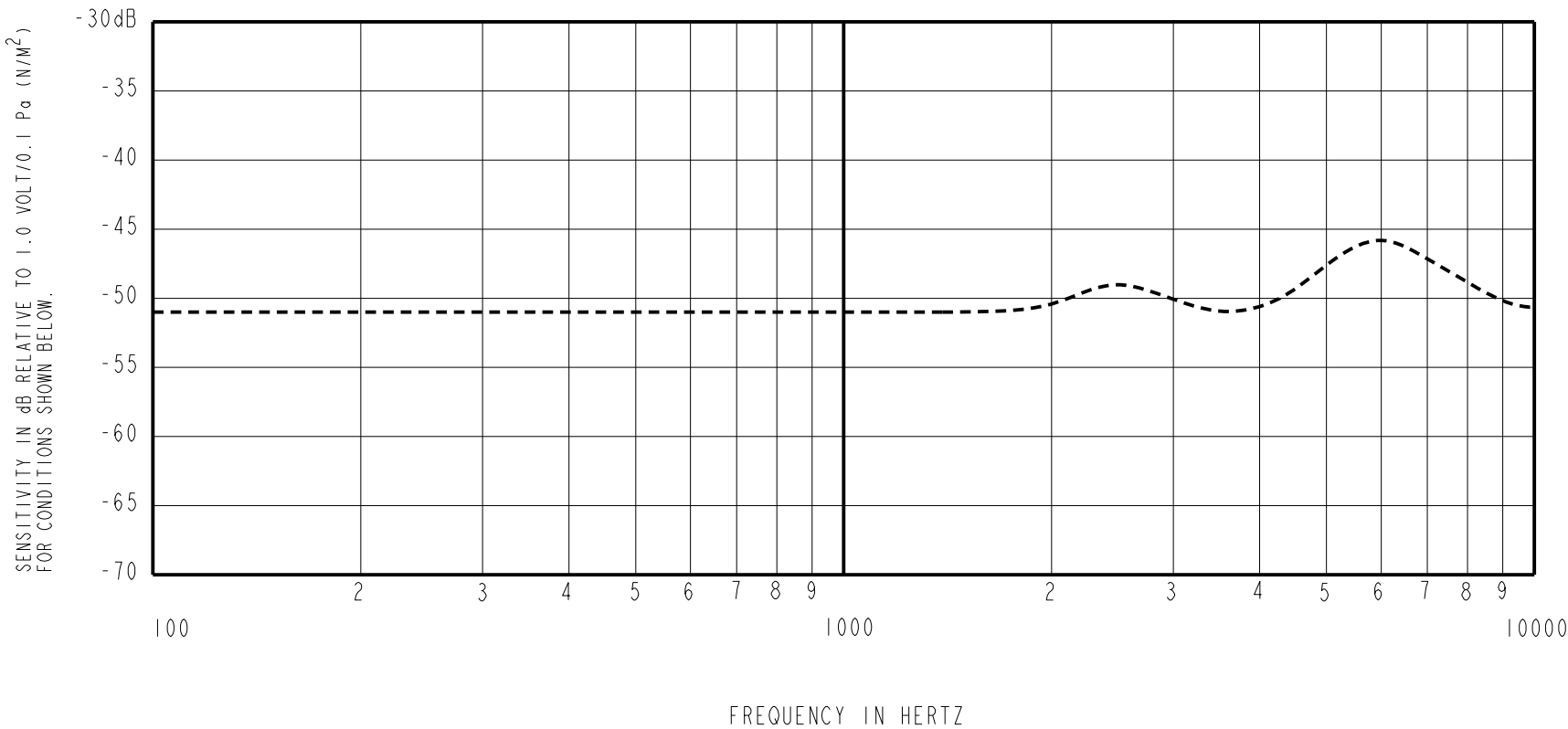
TITLE: BOOM MICROPHONE FB-EM-30343-000

OUTLINE DRAWING

SHT 1.1

DR. BY	DATE
TT	6-26-08
CK. BY	DATE
GJP	7-15-08
APP. BY	DATE
GJP	7-15-08

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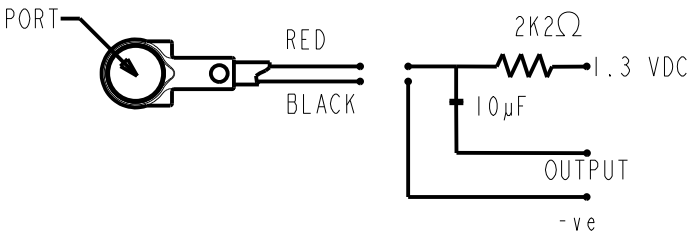
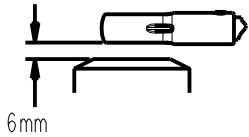


FREQUENCY	SENSITIVITY			DEVICE CONFORMITY RANGE OF DEVIATION FROM 1KHz	
	MIN.	NOM.	MAX.		
300	---	-51.0	---	-4.0	+4.0
1000	-55.0	-51.0	-47	0.0	0.0
2000	---	-50.5	---	-4.0	---
6000	---	-46.5	---	0.0	+9

RED CONTROLLED

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 WP-25993-D63
- SURVIVES 3m SUBMERSION BASED ON QUALIFICATION TESTING. 100% TEST 30 MINUTES 1m SUBMERSION; SENSITIVITY WITHIN 3dB OF INITIAL SENSITIVITY AFTER DRIED FOR 30 MINUTES AT ROOM TEMPERATURE.



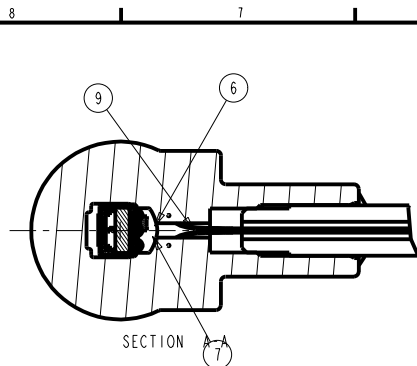
LEAD IDENTIFICATION
& TEST CIRCUIT

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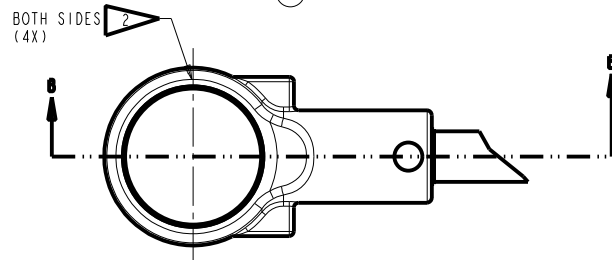
Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
C	C40101206	3-7-13	Active	C
B	C10107748	8-12-08		
A	C10107379	6-26-08		
WHEN TEST LIMITS ARE USED TO ESTABLISH INCOMING INSPECTION ACCEPTANCE/REJECTION CRITERIA, CORRELATION OF TEST EQUIPMENT WITH KNOWLES IS ALSO REQUIRED FOR ELIMINATION OF EQUIPMENT AND TEST METHOD VARIATION			DR. BY TT	DATE 6-26-08
TITLE: BOOM MICROPHONE FB-EM-30343-000			CK. BY GJP	DATE 7-15-08
			APP. BY GJP	DATE 7-15-08
PERFORMANCE SPECIFICATION			SHT 2.1	

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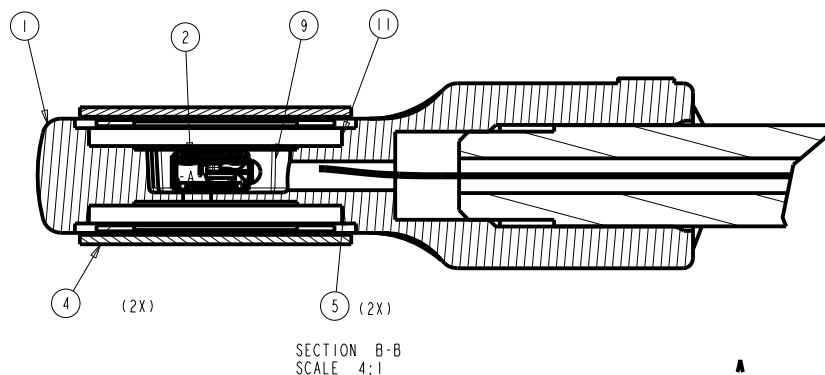
FB-EM-30343-000



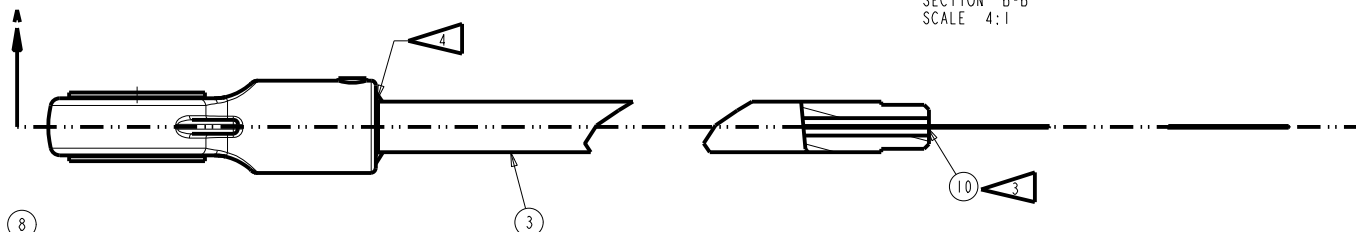
SECTION A-A



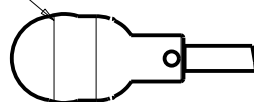
RED CONTROLLED



SECTION B-B
SCALE 4:1



TOP VIEW
W/WINDSHIELD SHOWN
SCALE 1:1



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.

DIMENSIONS IN MILLIMETERS [INCHES]

MATERIAL						SEE BILL OF MATERIALS						FINISH						SCALE: 2:1						DO NOT SCALE DRAWING					
REF.		A		C10107379		B		C10107748		RENAME IN PROVE FROM FB-30343-000 TO FB-EM-30343-000 11-8-12-06		C		C40101206		UPDATE THE REVISION 00 3-7-13		KNOWLES ELECTRONICS ITASCA, ILLINOIS U.S.A.						DR. BY		DATE			
																								TT		6-26-08			
																								CH. BY		DATE			
																								GJP		7-15-08			
																								APP. BY		DATE			
																								GJP		7-15-08			
																								TITLE		FB-EM-30343-000			
																								BOOM MICROPHONE ASSEMBLY		SHEET			
																										3.1			
																										KEY: 1. B SIZE, FPM			
																										REV: B			

KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.

BOOM MICROPHONE
ASSEMBLY

FB-EM-30343-000

FB-EM-30343-000			KNOWLES ELECTRONICS			FB-EM-30343-000		
Sheet 4.1			ITASCA, ILLINOIS U.S.A.			Sheet 4.1		
By TT Date 6-26-08			Subject: BOOM MICROPHONE ASSEMBLY			Revision		
Ch. GJP 7-15-08						C		
App. GJP 7-15-08						Release Level		
						Active		
COL. 1			2			3		
Part or Dwg. no.			Tot. Req.			Nomenclature:		
FB-218-500			1			HOUSING		
WP-25993-D63			1			MICROPHONE ASSEMBLY		
FB-189-167			1			FLEXIBLE BOOM 6 mm		
FB-223			2			SCREEN DISC		
FB-234			2			MEMBRANE		
FB-070-050			1			WIRE BLACK TEFLON		
FB-070-049			1			WIRE RED TEFLON		
FB-042			1			WINDSHIELD		
13-092-120101			A/R			CEMENT		
13-591			A/R			SILICONE SEALANT		
13-092-130102			A/R			CEMENT		

RED CONTROLLED

REVISION	A	c.o.	C10107379
	B	c.o.	C10107748
	RENAME IN PRO/E FROM FB-30343-000 TO FB-EM-30343-000 TT 8-12-08		
	C	c.o.	C40101206
	FB-234 WAS FB-038 00 3-7-13		

FB-EM-30343-000
Sheet 4.1

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ITEM: 1000 PART: 000 PMW REV: 0

Mouser Electronics

Authorized Distributor

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[FB-EM-30343-000](#)