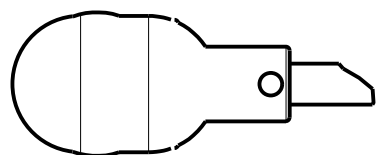


FB-EM-30342-000

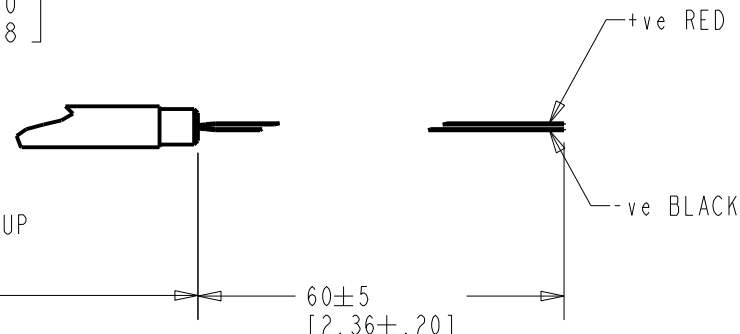
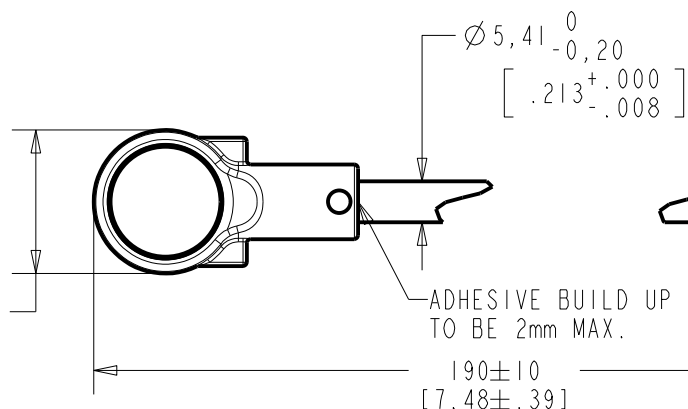
SHT 1.1

RED CONTROLLED

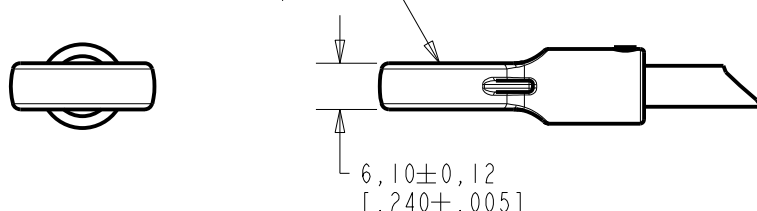


TOP VIEW
W/WINDSHIELD SHOWN
SCALE 1:1

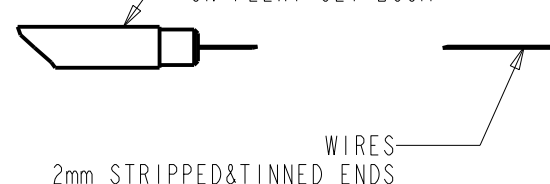
$\varnothing 19,0 \pm 0,3$
[.748 $\pm$.012]



PLASTIC HOUSING, BLACK



BLACK POLYURETHANE SHRINK COVER
ON FLEXI-SET BOOM



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

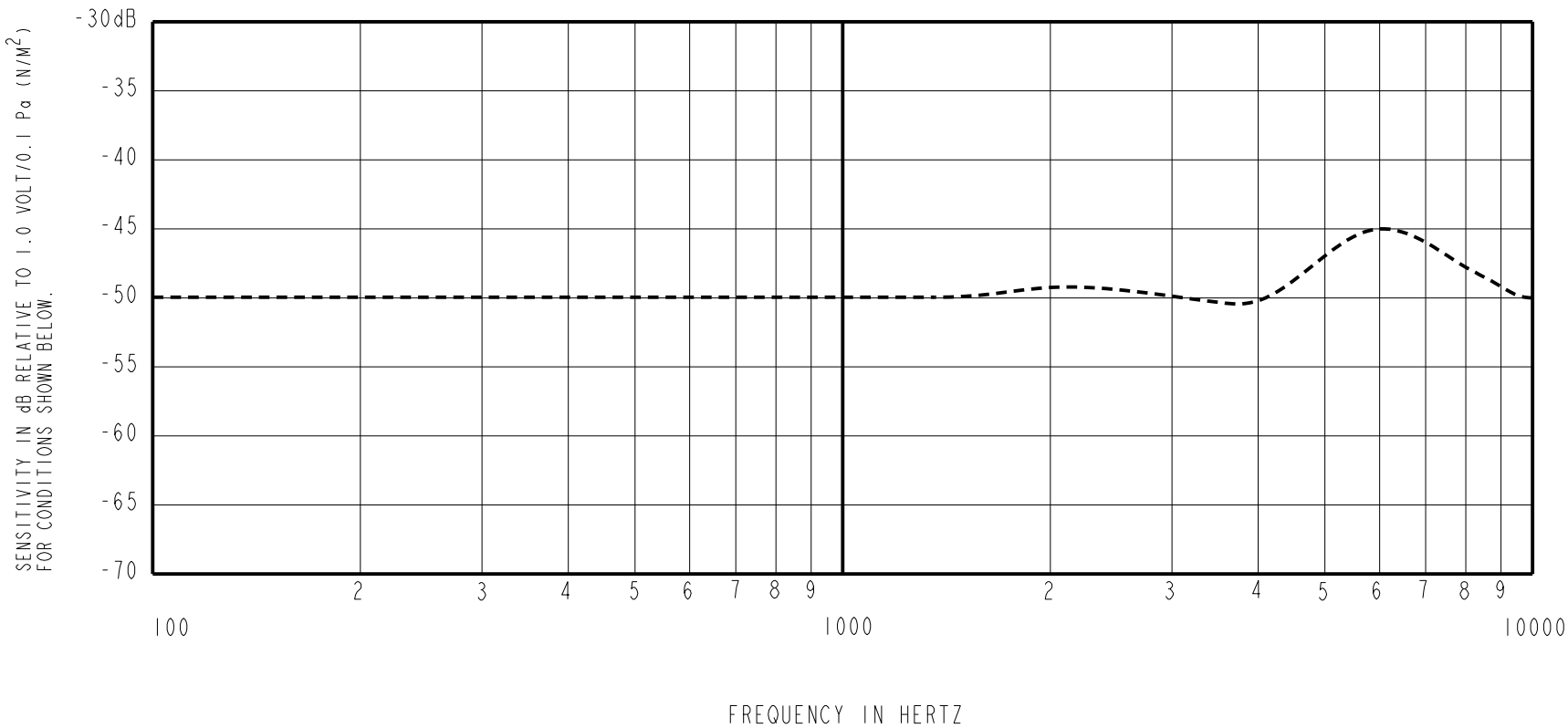
TITLE: BOOM MICROPHONE FB-EM-30342-000

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

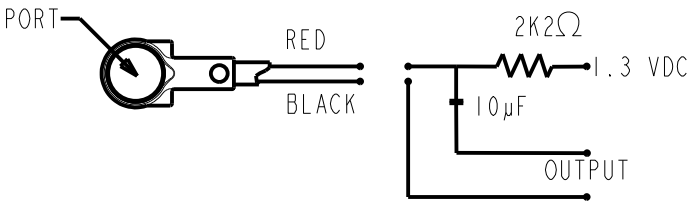
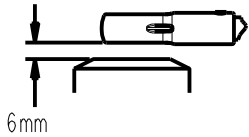
KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.



FREQUENCY	SENSITIVITY			DEVICE CONFORMITY	
	MIN.	NOM.	MAX.	RANGE OF DEVIATION FROM 1KHz	
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

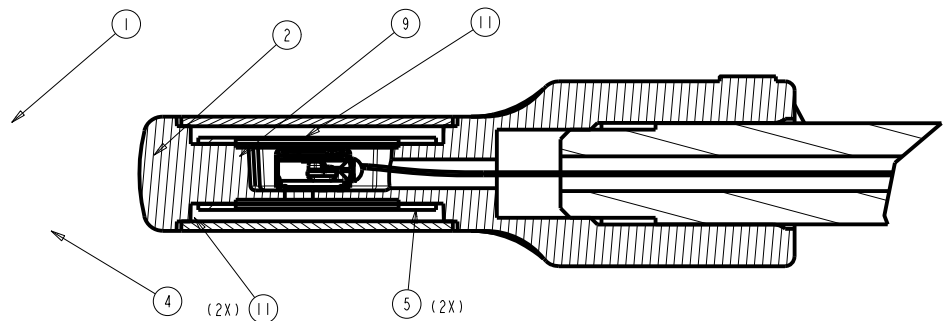
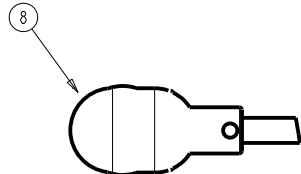
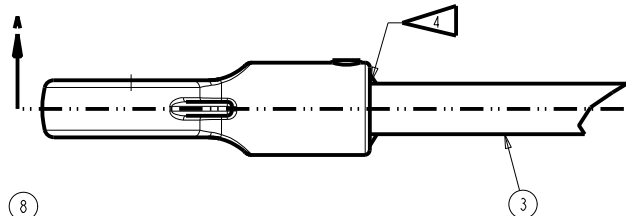
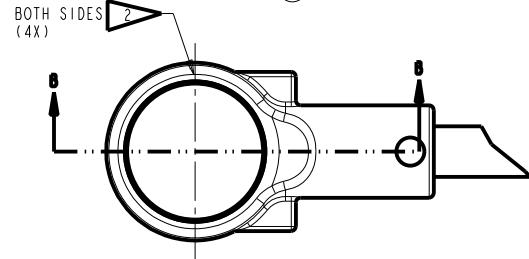
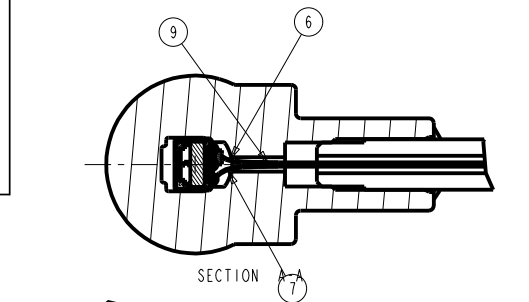
KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.

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



SECTION B-B
SCALE 4:1

DIMENSIONS IN MILLIMETERS [INCHES]

MATERIAL SEE BILL OF MATERIALS				FINISH		RELEASE LEVEL		REVISION	
REF. 10-1747	A	1 c.o.	C10107368			Active		C	
	B	1 c.o.	C10107747			SCALE: 2:1		DO NOT SCALE DRAWING	
RENAME IN PROVE FROM FB-30342-000 TO FB-EM-30342-000 11-8-11-05				UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES		DR. BY DATE		TT 5-27-08	
	C	1 c.o.	C40101206	THIRD ANGLE PROJECTION		CH. BY DATE		GJP 6-4-08	
UPDATE THE REVISION 00 3-4-13				TITLE		APP. BY DATE		GJP 6-4-08	
				BOOM MICROPHONE ASSEMBLY		FB-EM-30342-000		SHEET 3.1	

- 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.

FB-EM-30342-000 Sheet 4.1		KNOWLES ELECTRONICS ITASCA, ILLINOIS U.S.A.		FB-EM-30342-000 Sheet 4.1	
By TT Date 5-27-08 Ch. GJP 6-4-08 App. GJP 6-4-08		Subject: BOOM MICROPHONE ASSEMBLY		Revision C Release Level Active	
COL. 1		2	3	4	
Part or Dwg. no.		Tot. Req.	Nomenclature:	Applicable Specs or Remarks	Item No. Line No.
FB-218-500		1	HOUSING		1 1
NR-25994-D63		1	MICROPHONE ASSEMBLY		2 2
FB-189-167		1	FLEXIBLE BOOM 6 mm		3 3
FB-223		2	SCREEN DISC		4 4
FB-234		2	MEMBRANE		5 5
FB-070-050		1	WIRE BLACK TEFLON		6 6
FB-070-049		1	WIRE RED TEFLON		7 7
FB-042		1	WINDSHIELD		8 8
13-092-120101		A/R	CEMENT		9 9
13-591		A/R	SILICONE SEALANT		10 10
13-092-130102		A/R	CEMENT		11 11

RED CONTROLLED

REVISION	
A	c.o. C10107368
B	c.o. C10107747
RENAME IN PRO/E FROM FB-30342-000 TO FB-EM-30342-000 TT 8-11-08	
C	C40101206
FB-234 WAS FB-038 OO 3-4-13	

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Knowles:](#)

[FB-EM-30342-000](#)