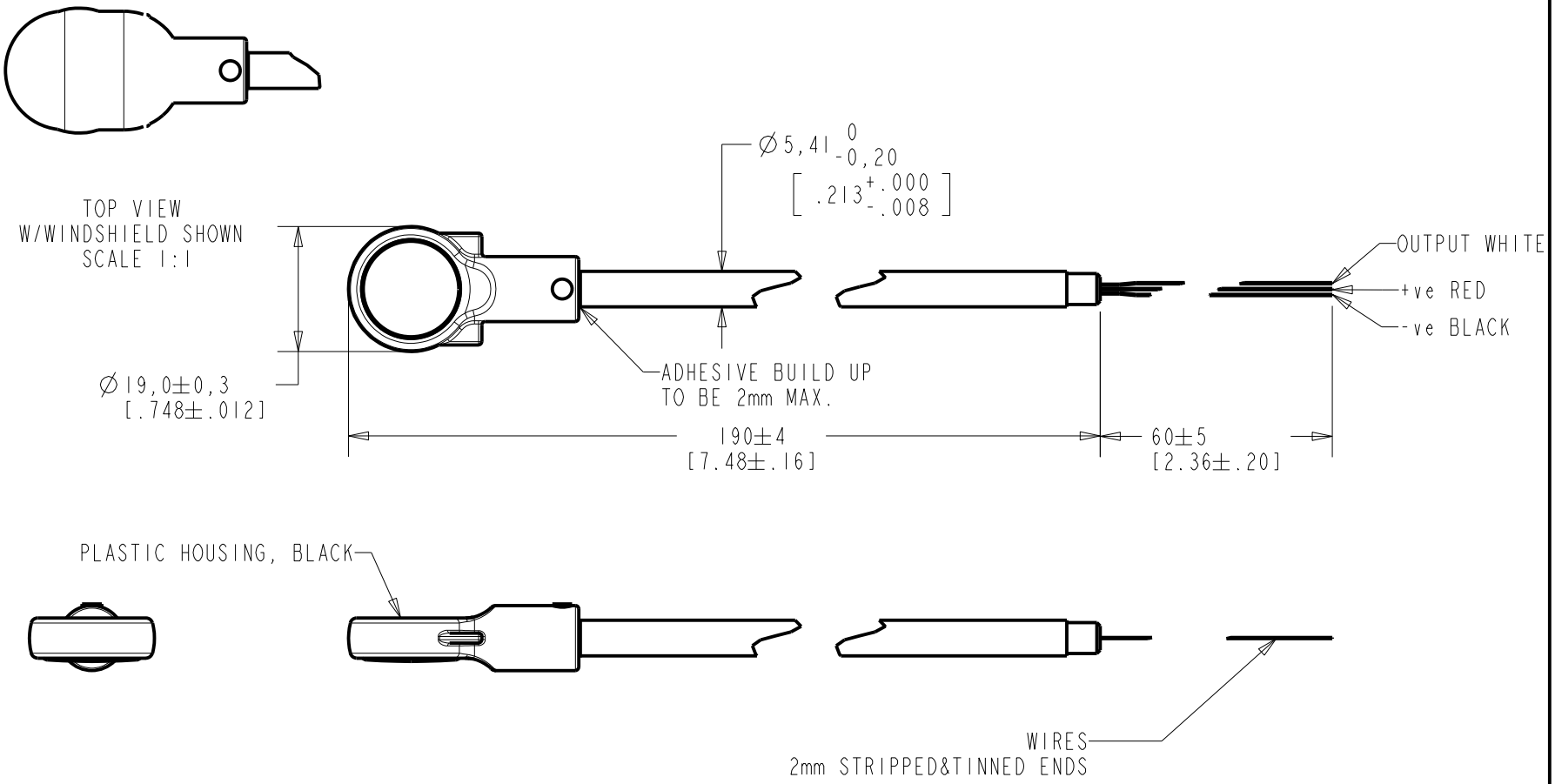
FB-EM-30348-000
SHT 1.1



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

DIMENSIONS IN MILLIMETERS [INCHES]

Revision	C.O. #	Implementation Date
C	C40100518	11-25-10
B	C10107748	8-12-08
A	C10107379	6-26-08

RELEASE LEVEL: Active

REVISION: C

KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.

SCALE: 1:1

DO NOT SCALE DRAWING

TITLE: BOOM MICROPHONE

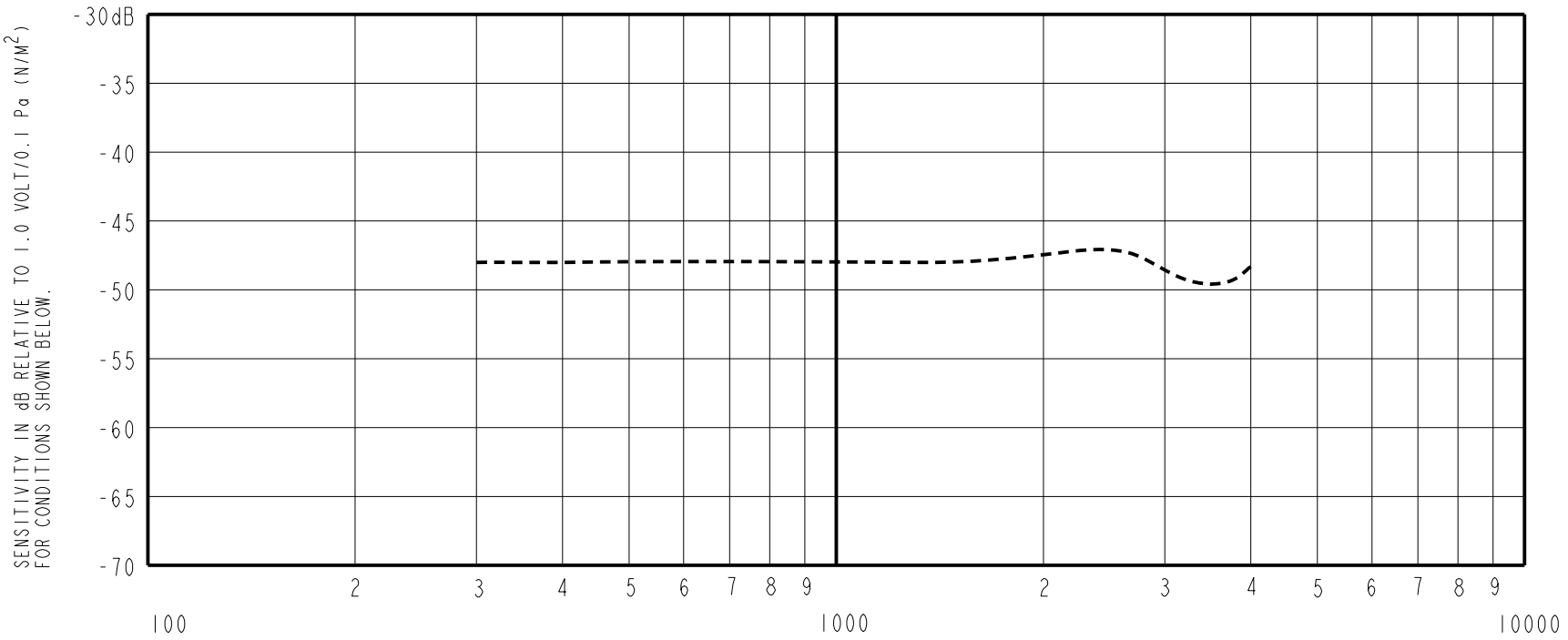
OUTLINE DRAWING

FB-EM-30348-000

SHT 1.1

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

KEIIASIZE.FRM Rev: B



FREQUENCY IN HERTZ

FREQUENCY	SENSITIVITY MIN.	NOM.	MAX.	DEVICE CONFORMITY RANGE OF DEVIATION FROM 1KHz	
300	---	-48.0	---		
1000	-51.0	-48.0	-45.0	-3.0	+3.0
4000	---	-47.0	---	0.0	0.0
				-3.0	+5.0

NOTES:

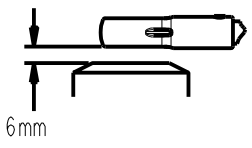
1. MICROPHONE TO BE FUNCTIONAL WITH 10 VDC SUPPLY.

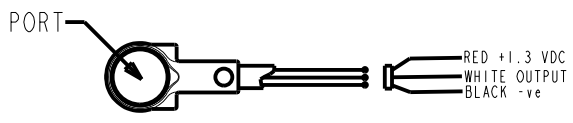
2. SENSITIVITY VALUES INDICATED ON THIS SPECIFICATION ARE VALID AT 50% HUMIDITY.

3. TEST CONDITIONS:
   HEAD OF BOOM EXPOSED TO 74 dBSPL SWEPT
   SOUND FIELD AT 6mm FROM VOICE APERTURE.
   ARTIFICIAL VOICE:
   B & k 4227 MOUTH SIMULATOR.

4. FOR MICROPHONE CAPSULE SPEC. SEE DRAWING EK-23132-C36 SHEET 2.1.

5. SURVIVES 10m 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

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
C	C40100518	11-25-10	Active	C
B	C10107748	8-12-08		
A	C10107379	6-26-08		

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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
PERFORMANCE SPECIFICATION

FB-EM-30348-000
SHT 2.1

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

Mouser Electronics

Authorized Distributor

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

Knowles:

FB-EM-30348-000