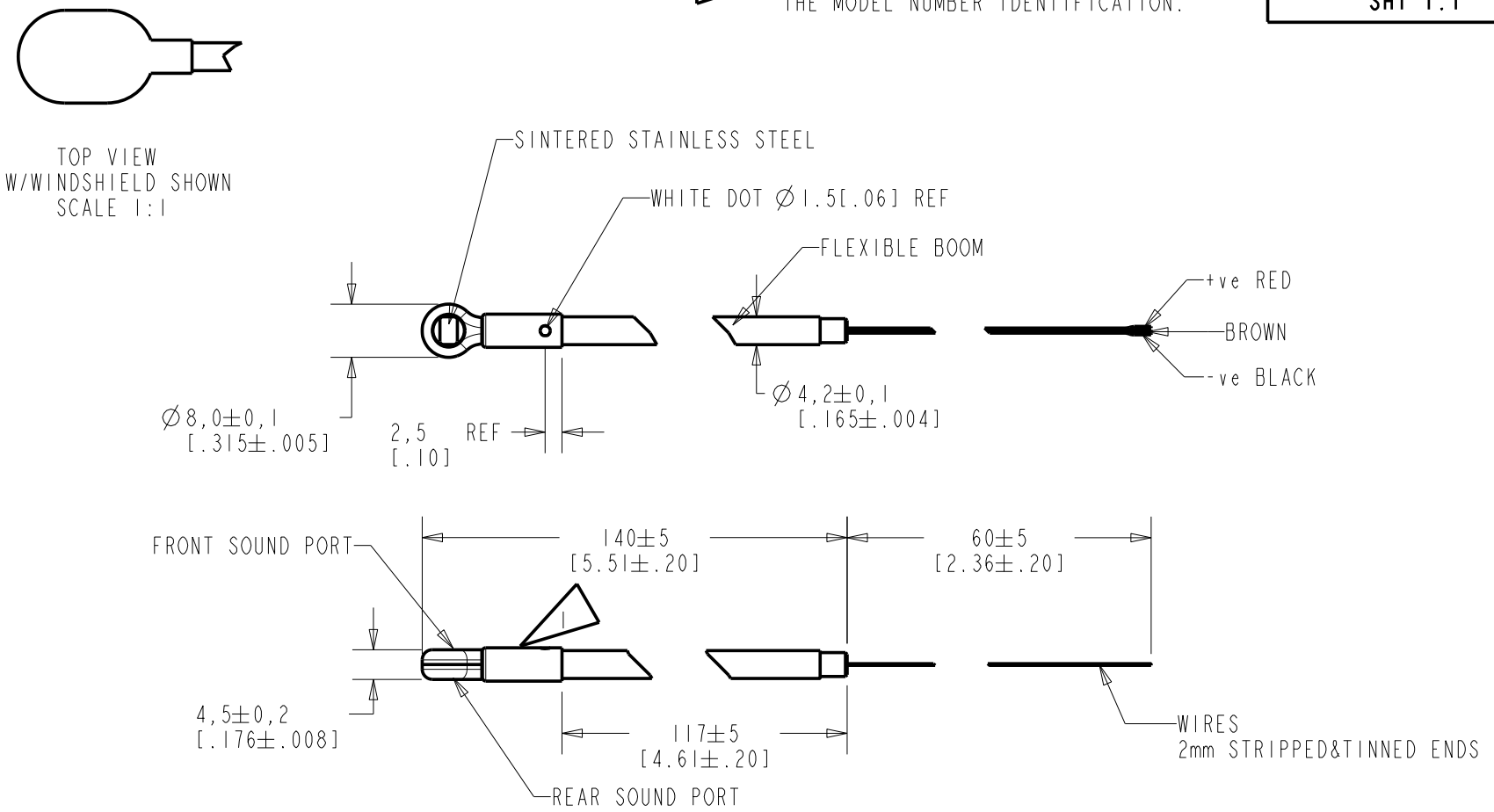
FB-DW-30296-000
SHT 1.1

THE FRONT SOUND PORT IS ADJACENT TO THE MODEL NUMBER IDENTIFICATION.




| WIRE COLOR | | | WEIGHT GRAMS |
|---|---|---|---|
| +ve | OUTPUT | -ve | |
| RED | BROWN | BLACK | 13.1 |

DIMENSIONS IN MILLIMETERS [INCHES]

| Revision | C.O. # | Implementation Date | RELEASE LEVEL | REVISION |
|---|---|---|---|---|
| | | | Active | B |
| B | C10107745 | 8-4-08 | | |
| A | C10107109 | 3-17-08 | | |

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SCALE: 1:1

DO NOT SCALE DRAWING

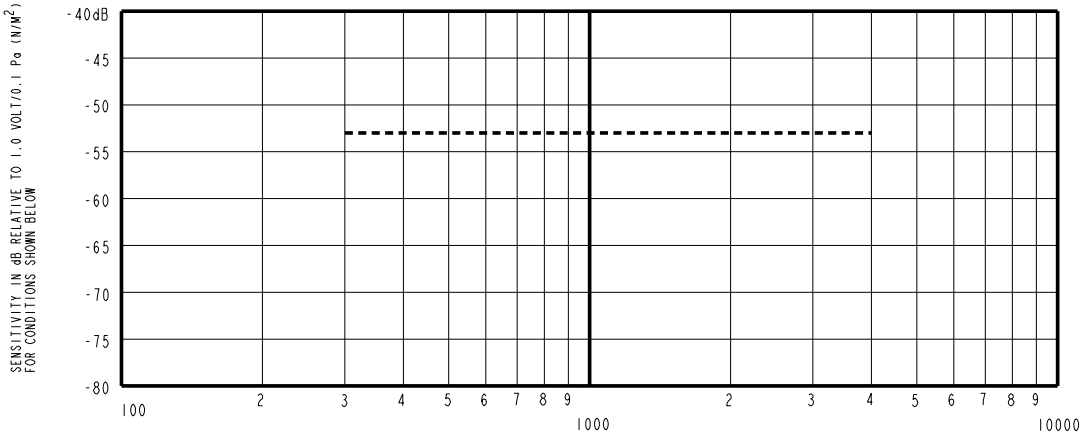
TITLE: BOOM MICROPHONE

OUTLINE DRAWING

FB-DW-30296-000
SHT 1.1

| DR. BY | DATE |
|---|---|
| TT | 3-4-08 |
| CK. BY | DATE |
| GJP | 3-27-08 |
| APP. BY | DATE |
| GJP | 3-27-08 |

KEIIASIZE.FRM Rev: B




NOTES:

1. MICROPHONE TO BE FUNCTIONAL WITH 10 VDC SUPPLY.

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

3. SENSITIVITY

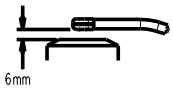
| FREQUENCY | MIN | NOM | MAX |
|---|---|---|---|
| 300 | --- | -53.0 | --- |
| 1000 | -56.0 | -53.0 | -50.0 |
| 4000 | --- | -53.0 | --- |

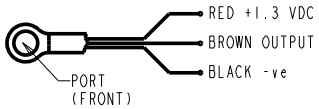
DEVICE CONFORMITY
RANGE OF DEVIATION FROM 1KHz

| | |
|---|---|
| -4.0 | +4.0 |
| -0.0 | +0.0 |
| -4.0 | +4.0 |

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

5. FOR MICROPHONE CAPSULE SPEC. SEE WP-25993-000 SHEET 2.1




LEAD IDENTIFICATION

| Revision | C.O. # | Implementation Date | RELEASE LEVEL | REVISION |
|---|---|---|---|---|
| | | | | |
| B | C10107745 | 8-4-08 | Active | B |
| A | C10107109 | 3-17-08 | | |

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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

| DR. BY | DATE |
|---|---|
| TT | 3-4-08 |
| CK. BY | DATE |
| GJP | 3-27-08 |
| APP. BY | DATE |
| GJP | 3-27-08 |

TITLE: BOOM MICROPHONE
PERFORMANCE SPECIFICATION

FB-DW-30296-000
SHT 2.1