

EM-30081-P133

SHT 1.1

$2,21 \pm 0,07$
[.087 ± .003]



COATING AND SOLDER MUST NOT EXTEND PAST CASE OUTLINE DIMENSIONS.

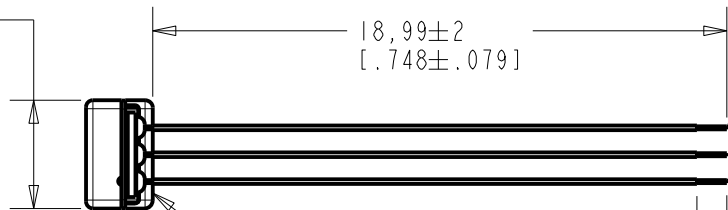
$3,57 \pm 0,04$
[.1405 ± .0015]

$18,99 \pm 2$
[.748 ± .079]

POSITIVE LEAD (GREEN)

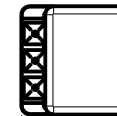
OUTPUT LEAD (YELLOW)

NEGATIVE LEAD (BLACK)

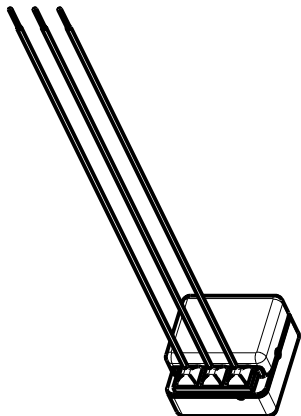


$0,99 \pm 0,5$
[.039 ± .020]

NON-TRANSPARENT COATING IN THIS AREA TO FIX THE WIRES.



$3,569 \pm 0,038$
[.1405 ± .0015]



DIMENSIONS IN MILLIMETERS [INCHES]

| Revision | C.O. # | Implementation Date | RELEASE LEVEL | REVISION |
|----------|-----------|---------------------|---------------|----------|
| | | | Active | A |
| A | C40100834 | 11-28-11 | | |

SCALE: 4:1

DO NOT SCALE DRAWING

TITLE: MICROPHONE / CABLE

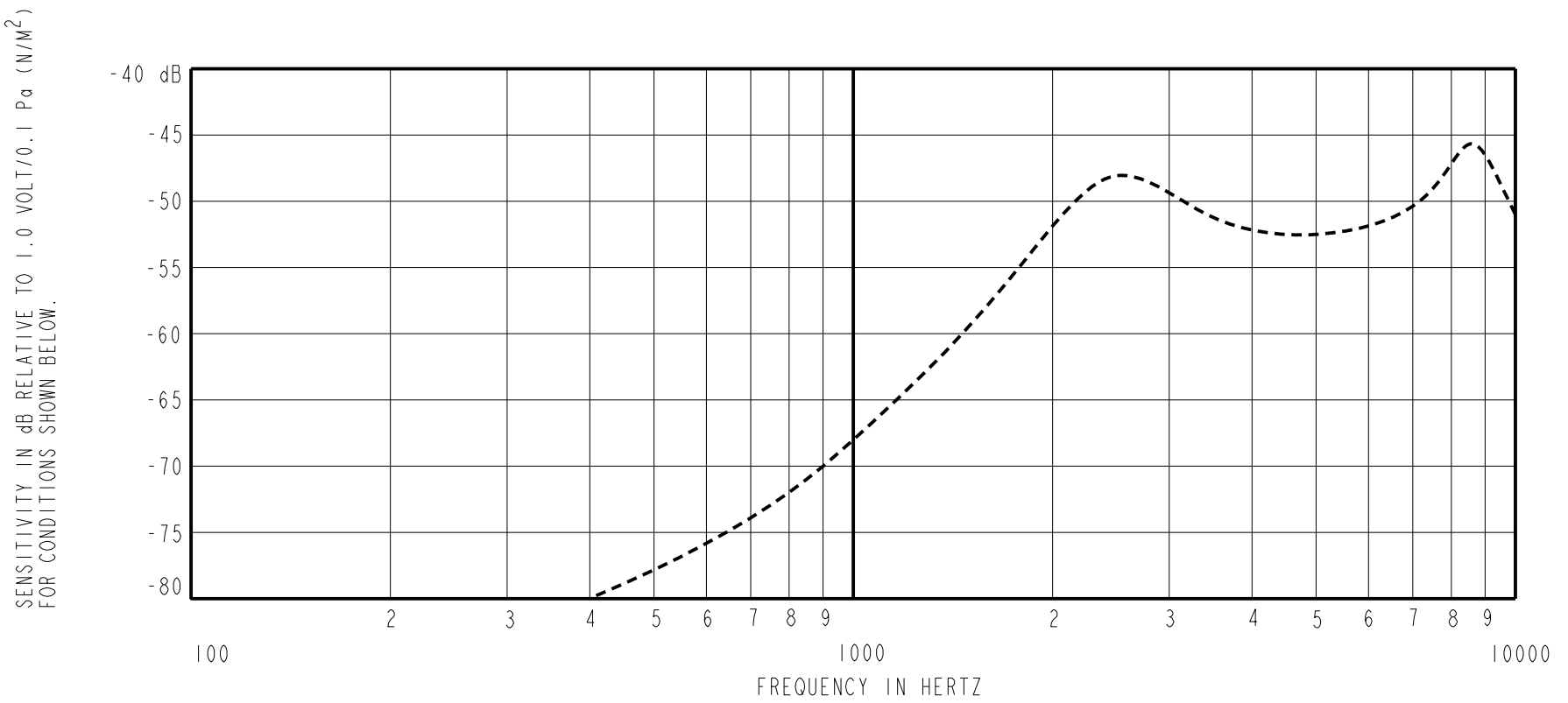
EM-30081-P133

OUTLINE DRAWING

SHT 1.1

| DR. BY | DATE |
|---------|----------|
| OO | 11-27-11 |
| CK. BY | DATE |
| GJP | 12-5-11 |
| APP. BY | DATE |
| GJP | 12-5-11 |

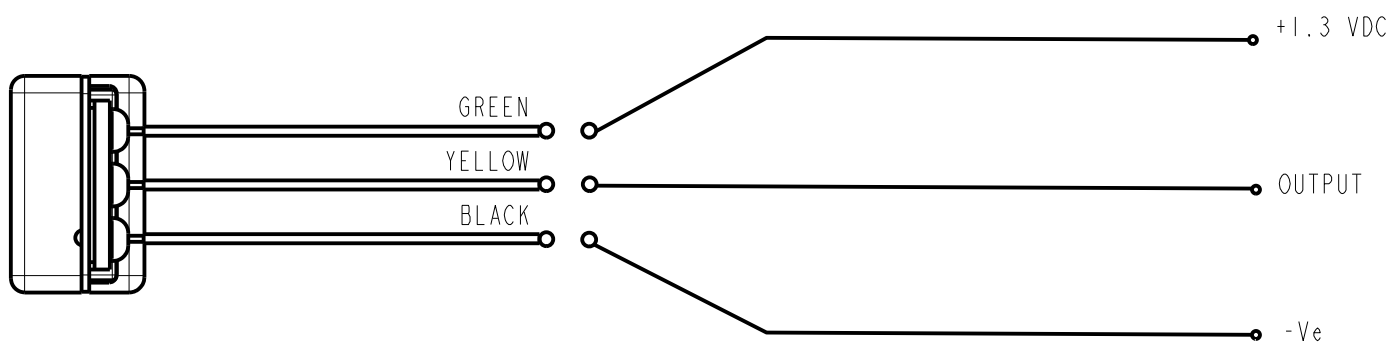
KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.



| FREQUENCY | SENSITIVITY | | | DEVICE CONFORMITY | |
|-----------|-------------|-------|-------|------------------------------|-------|
| | MIN. | NOM. | MAX. | RANGE OF DEVIATION FROM 1KHz | |
| 1000 | --- | -68.0 | --- | -18.0 | -12.0 |
| 5000 | -56.0 | -52.0 | -48.0 | 0.0 | 0.0 |
| ≈9000 | --- | -46.5 | --- | +0.5 | +10.5 |

NOTES:

1. ALL TEST DATA TAKEN WITH TEST CIRCUIT SHOWN BELOW.
2. CASE CONNECTED TO NEGATIVE TERMINAL.
3. MICROPHONE TO BE FUNCTIONAL WITH 3.0 VDC SUPPLY.
4. TEST CONDITIONS:
SEAL FRONT SOUND PORT TO 74 dB SPL SWEPT SOUND FIELD CREATED AT APERTURE OF B & K TYPE 4227 MOUTH SIMULATOR.
5. FOR MICROPHONE CAPSULE SPEC. SEE EM-30081-D65 SHEET 2.1.



TEST CIRCUIT

| Revision | C.O. # | Implementation Date | RELEASE LEVEL | REVISION |
|----------|-----------|---------------------|---------------|----------|
| A | C40100834 | 11-28-11 | Active | A |

| | | | |
|--|--|---------|----------|
| 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 |
| | | OO | 11-27-11 |
| | | CK. BY | DATE |
| | | GJP | 12-5-11 |
| | | APP. BY | DATE |
| | | GJP | 12-5-11 |

| | |
|----------------------------------|----------------------|
| TITLE: MICROPHONE / CABLE | EM-30081-P133 |
| PERFORMANCE SPECIFICATION | SHT 2.1 |

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