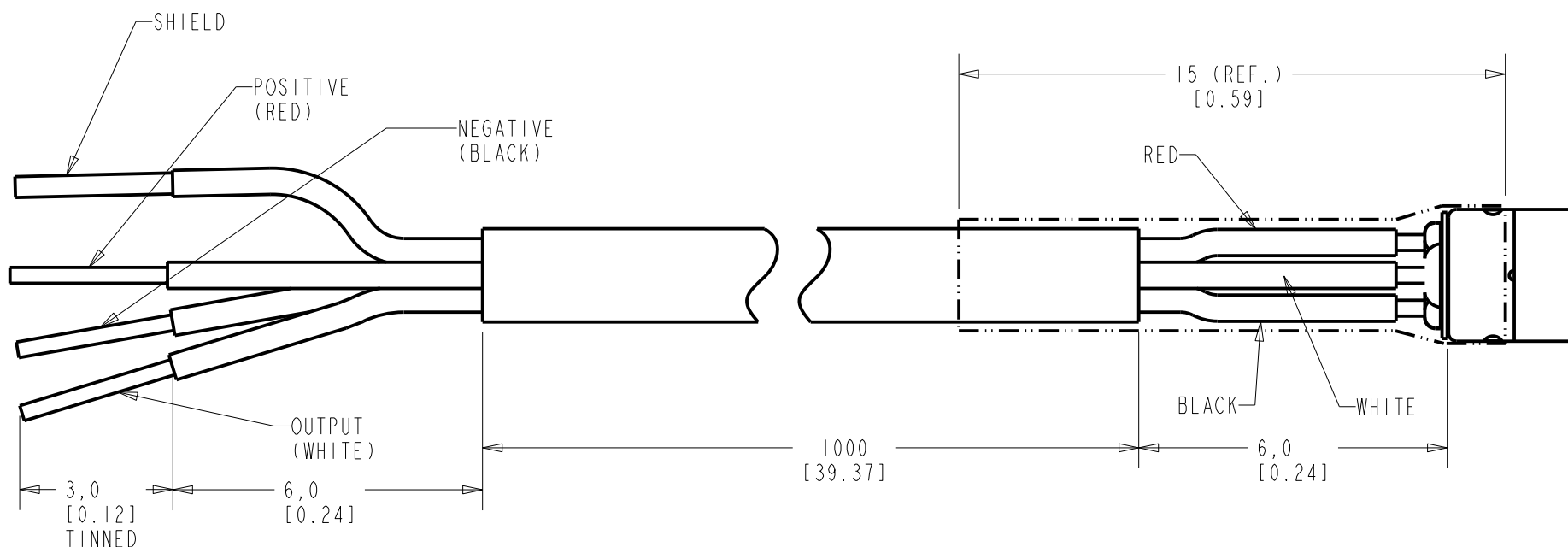


FC-23329-P07

SHT 1.1

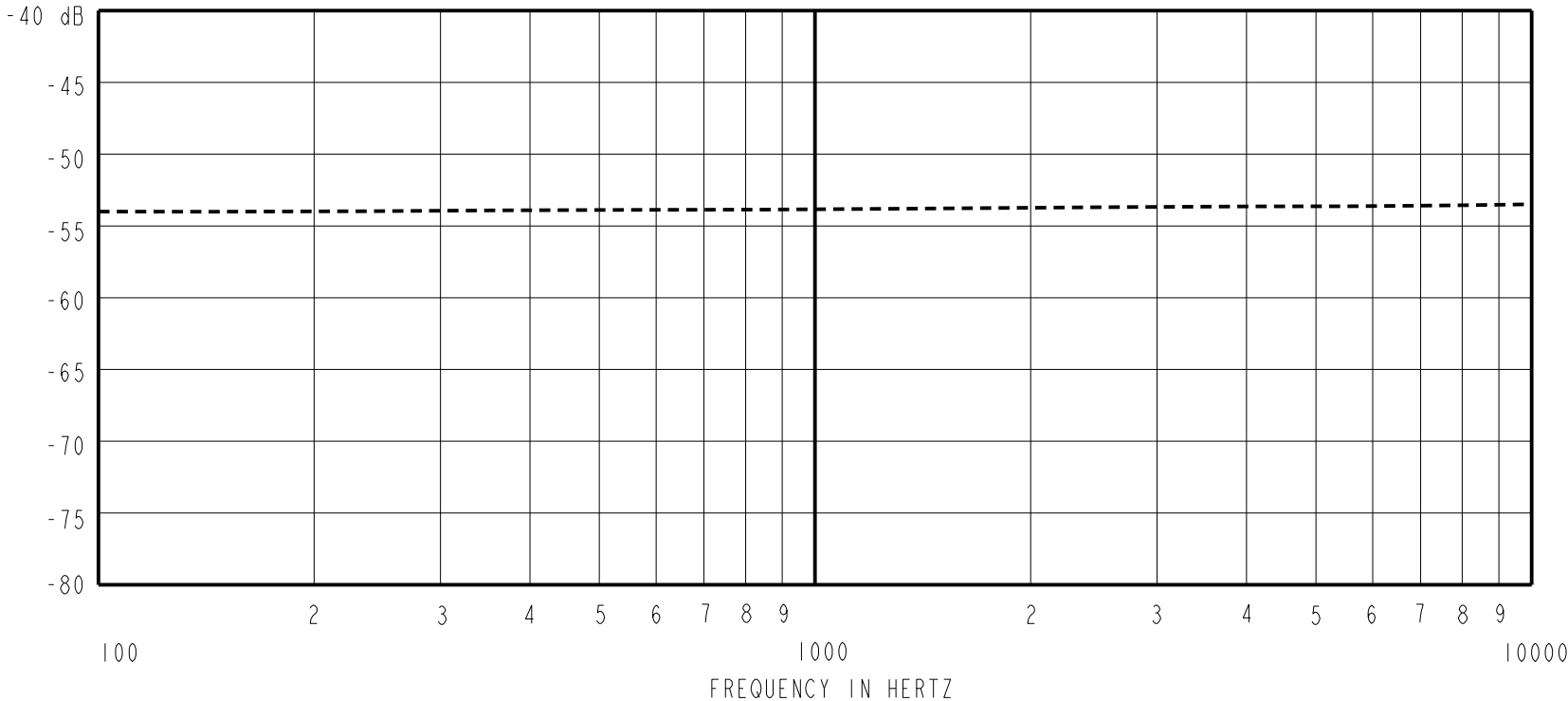


DIMENSIONS IN MILLIMETERS [INCHES]

KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.

| Revision | C.O. # | Implementation Date | RELEASE LEVEL | REVISION |
|---------------------------|-----------|---------------------|---------------|----------|
| F | C40101313 | 10-08-13 | Active | F |
| E | C40101137 | 10-30-12 | | |
| D | C40101079 | 8-15-12 | | |
| SCALE: 8:1 | | | DR. BY | DATE |
| DO NOT SCALE DRAWING | | | MMM | 11-21-05 |
| TITLE: MICROPHONE / CABLE | | | CK. BY | DATE |
| OUTLINE DRAWING | | | GJP | 11-22-05 |
| FC-23329-P07 | | | APP. BY | DATE |
| SHT 1.1 | | | GJP | 11-22-05 |

SENSITIVITY IN dB RELATIVE TO 1.0 VOLT/0.1 Pa (N/M²)
FOR CONDITIONS SHOWN BELOW.



| FREQUENCY | SENSITIVITY | | | DEVICE CONFORMITY | |
|-----------|-------------|-------|-------|------------------------------|------|
| | MIN. | NOM. | MAX. | RANGE OF DEVIATION FROM 1KHz | |
| 100 | --- | -54.0 | --- | -3.0 | +3.0 |
| 1000 | -57.0 | -54.0 | -51.0 | 0.0 | 0.0 |
| 10000 | --- | -53.5 | --- | -3.0 | +4.0 |

NOTES:

1. CASE CONNECTED TO NEGATIVE TERMINAL.
2. MICROPHONE TO BE FUNCTIONAL WITH 3.0 VDC SUPPLY.
3. TYPICAL SENSITIVITY TO HUMIDITY AT 1000Hz IS 0.06 dB/%RH.
4. SENSITIVITY AND NOISE VALUES INDICATED ON THIS SPECIFICATION ARE VALID AT 50% HUMIDITY.

| PORT LOCATION | DC SUPPLY | AMPLIFIER CURRENT DRAIN | SENSITIVITY CHANGE ON REDUCING SUPPLY TO 0.9VDC | "A" WEIGHTED NOISE (1KHz EQUIV. SPL) | OUTPUT IMPEDANCE OHMS | | |
|---------------|-----------|-------------------------|---|--------------------------------------|-----------------------|------|------|
| | | | | | MIN. | NOM. | MAX. |
| 12S | 1.3V | 50 μA MAX. | 3 dB MAX. | 30.0 dB MAX. | 2800 | 4400 | 6800 |

KNOWLES ELECTRONICS
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| Revision | C.O. # | Implementation Date | RELEASE LEVEL | | REVISION |
|---|-----------|---------------------|-------------------------|--|--------------|
| F | C40101313 | 10-08-13 | Active | | F |
| E | C40101137 | 10-30-12 | | | |
| D | C40101079 | 8-15-12 | | | |
| TITLE: MICROPHONE /CABLE PERFORMANCE SPECIFICATION | | | FG-23329-P07 SHT 2.1 | | DR. BY DATE |
| | | | | | MMM 11-21-05 |
| | | | | | CK. BY DATE |
| | | | | | GJP 11-22-05 |
| | | | | | APP. BY DATE |
| | | | | | GJP 11-22-05 |

| | | | | | | | | |
|-------------------|--|--|-------------------------|--|--|-----------------------------|--|--|
| FG-23329-P07 | | | KNOWLES ELECTRONICS | | | FG-23329-P07 | | |
| Sheet 4.1 | | | ITASCA, ILLINOIS U.S.A. | | | Sheet 4.1 | | |
| Dr. By Date | | | Subject: | | | Revision | | |
| Ch. GJP 11-21-05 | | | MICROPHONE /CABLE | | | F | | |
| App. GJP 11-22-05 | | | ASSEMBLY | | | Release Level | | |
| | | | | | | Active | | |
| COL. 1 | | | 2 | | | 3 | | |
| Part or Dwg. no. | | | Tot. Req. | | | Applicable Specs or Remarks | | |
| 103-162 | | | 1 | | | CABLE | | |
| FG-23329-D65 | | | 1 | | | MICROPHONE ASSEMBLY | | |
| 285-007-001 | | | A/R | | | SOLDER LEAD FREE | | |
| 13-092-120111 | | | A/R | | | CEMENT | | |
| 097-028 | | | 1 | | | HEAT SHRINK TUBING | | |

B
B

| REVISION | |
|--|----------------|
| A | c.o. M10100901 |
| B | c.o. M10101572 |
| ADDED ITEMS 4 & 5 ADDED SHEET 5.1 MMM 10-12-07 | |
| C | c.o. M10103048 |
| FG-23329-D65 WAS FG-23329-C05 SDZ 8-7-09 | |
| D | c.o. C40101079 |
| SHEET 2.1 UPDATED LSY 8-15-12 | |
| E | c.o. C40101137 |
| SHEET 2.1 UPDATED LSY 10-30-12 | |
| F | c.o. C40101313 |
| SHEET 2.1 UPDATED JL 10-8-13 | |

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FG-23329-P07
Sheet 4.1

REV: 0
REV: 0

