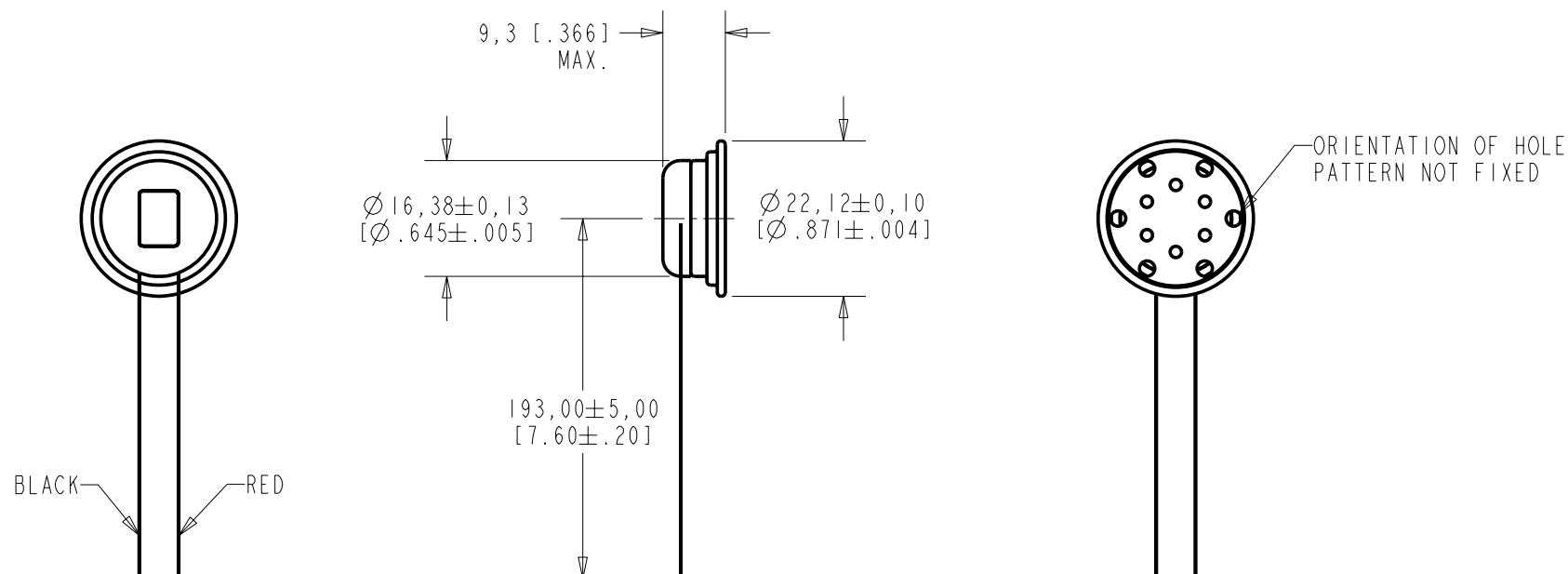


MR-23151-000  
SHT 1.1



DIMENSIONS IN MILLIMETERS [INCHES]

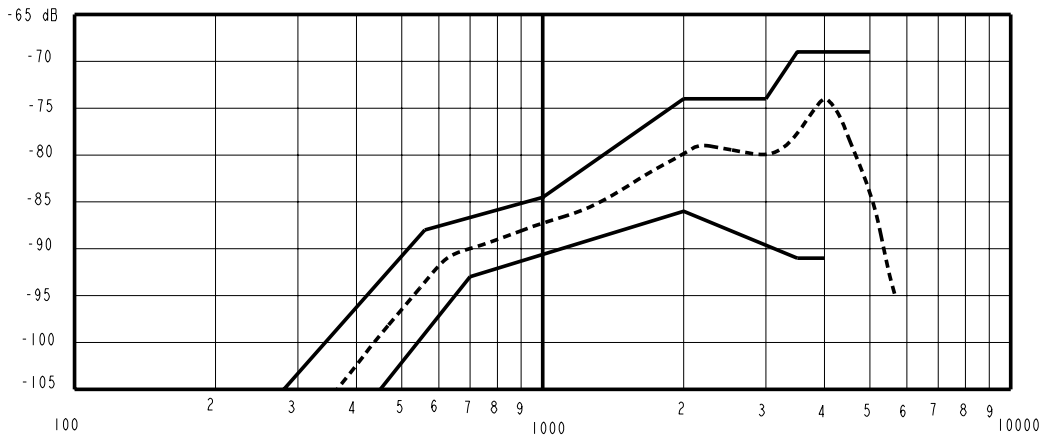
| Revision                     | C.O. #    | Implementation Date | RELEASE LEVEL | REVISION     |
|------------------------------|-----------|---------------------|---------------|--------------|
|                              |           |                     | Released      | A            |
| A                            | MI0101178 | 8-21-06             |               |              |
|                              |           |                     |               |              |
| SCALE: 1:1                   |           |                     | DR. BY LSY    | DATE 8-21-06 |
| DO NOT SCALE DRAWING         |           |                     | CK. BY GJP    | DATE 8-25-06 |
| TITLE: WATERPROOF MICROPHONE |           |                     | APP. BY GJP   | DATE 8-25-06 |
| OUTLINE DRAWING              |           |                     | MR-23151-000  |              |
|                              |           |                     | SHT 1.1       |              |

**KNOWLES ELECTRONICS**  
ITASCA, ILLINOIS U.S.A.

NO DAMPING

MR-23151-000  
SHEET 2.1

SENSITIVITY IN dB RELATIVE TO 1.0 VOLT/0.1 Pa(N/M<sup>2</sup>)  
FOR CONDITIONS SHOWN BELOW.



NOTES:  
1.

SENSITIVITY

FREQUENCY IN HERTZ

| FREQUENCY | MIN.   | MAX.   |
|-----------|--------|--------|
| 280       | ---    | -105.0 |
| 450       | -105.0 | ---    |
| 560       | ---    | -88.0  |
| 700       | -93.0  | ---    |
| 1000      | -90.5  | -84.5  |
| 2000      | -86.0  | -74.0  |
| 3000      | ---    | -74.0  |
| 3500      | -91.0  | -69.0  |
| 4000      | -91.0  | ---    |
| 5000      | ---    | -69.0  |

2. INDIVIDUAL SPECIFICATIONS.

| LOAD RESISTANCE<br>ON OUTPUT FOR<br>SENSITIVITY<br>MEASUREMENT<br>OHMS | DCR<br>@ 20°C<br>±10%<br>OHMS | OUTPUT<br>IMPEDANCE<br>@1kHz<br>OHMS |
|------------------------------------------------------------------------|-------------------------------|--------------------------------------|
| 300                                                                    | 75.5                          | 300                                  |

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| Revision                                                                                                                                                                                                     | C.O. #   | Implementation Date | RELEASE LEVEL | REVISION |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------------|---------------|----------|
| A                                                                                                                                                                                                            | M1010178 | 8-21-06             | Released      | 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     |
| TITLE: <b>WATERPROOF MICROPHONE</b>                                                                                                                                                                          |          |                     | LSY           | 8-21-06  |
| PERFORMANCE SPECIFICATION                                                                                                                                                                                    |          |                     | CK. BY        | DATE     |
|                                                                                                                                                                                                              |          |                     | GJP           | 8-25-06  |
|                                                                                                                                                                                                              |          |                     | APP. BY       | DATE     |
|                                                                                                                                                                                                              |          |                     | GJP           | 8-25-06  |

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