

MATCHED PAIR  
MICROPHONE

EM-23897-S05  
SHEET 2.1

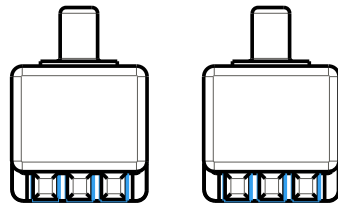
| PAIR         | CONSIST OF:      |
|--------------|------------------|
| EM-23897-S05 | (2) EM-23368-S05 |

BOTH MICROPHONES OF THE PAIR ARE TESTED TO EM-3368-C36 SHT 2.1 AND THEN MATCHED TO THE OTHER MICROPHONE USING THE SPECIFICATION AND CONDITIONS BELOW:

| FREQUENCY | TEST TYPE   | RANGE OF DEVIATION BETWEEN MICROPHONES | UNITS   |
|-----------|-------------|--|---------|
| 1 kHz     | SENSITIVITY | 0.5 MAX.                               | dB      |
| 250 Hz    | PHASE       | 2.0 MAX.                               | DEGREES |
| 1000 Hz   | PHASE       | 2.0 MAX.                               | DEGREES |
| 6000 Hz   | SENSITIVITY | 2.0 MAX.                               | dB      |
| 250 Hz    | SENSITIVITY | 0.5 MAX.                               | dB      |
| 6000 Hz   | PHASE       | 5 MAX.                                 | DEGREES |

NOTES:

- DC SUPPLY VOLTAGE 1.3 VOLTS.
- SENSITIVITY AND PHASE VALUES INDICATED ARE VALID AT 50% RH.



| Revision | C.O. #    | Implementation Date | RELEASE LEVEL | REVISION |
|----------|-----------|---------------------|---------------|----------|
| C        | M10102912 | 8-4-09              | <b>Active</b> | <b>C</b> |
| B        | M10101023 | 2-22-06             |               |          |
| A        | M10100732 | 7-18-05             |               |          |

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

TITLE: **MICROPHONE PAIR**  
PERFORMANCE SPECIFICATION

**EM-23897-S05**  
**SHT 2.1**

| DR. BY  | DATE    |
|---------|---------|
| MMM     | 7-18-05 |
| CK. BY  | DATE    |
| GJP     | 7-19-05 |
| APP. BY | DATE    |
| GJP     | 7-19-05 |