Jameco Part Number 136574
1. **SENSITIVITY**
   (OdB=1V/µ bar, 1KHz, VCC=4.5V, RL=1KΩ)
   C: -64+/-3dB

2. **CIRCUIT DIAGRAM**

3. **SPECIFICATIONS**
   1. IMPEDANCE : LOW
   2. STANDARD VOLTAGE : 4.5V
   3. RANGE OF OPERATING VOLTAGE : 1.5V TO 10V
   4. CURRENT DRAIN : 0.5mA MAX
   5. S/N RATIO : 40 dB or more
   6. MAXIMUM INPUT SOUND PRESSURE : 120 dB SPL
   7. RoHS Compliant.

4. **DIMENSION**

5. **TYPICAL FREQUENCY RESPONSE CURVE**

6. **RELIABILITY TEST**
<table>
<thead>
<tr>
<th><strong>VIBRATION TEST</strong></th>
<th>TO BE NO INTERFERENCE IN OPERATION AFTER VIBRATION 12Hz TO 50Hz FOR 1 MINUTE FULL AMPLITUDE, FOR 1.5 HOUR AT 3 AXISES.</th>
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<tr>
<td><strong>DROP TEST</strong></td>
<td>TO BE NO INTERFERENCE IN OPERATION AFTER DROPPED TO CONCERTET FLOOR EACH ONE TIME FROM 1 METER HEIGHT AT 3 DIRECTONS IN STATE OF PACKING.</td>
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| **TEMPERATURE TEST** | a) AFTER EXPOSURE AT 55° FOR 1 HOUR, SENSITIVITY TO BE WITHIN +/-3dB FROM INITIAL.  
                          b) AFTER EXPOSURE AT -10° FOR 1 HOUR, SENSITIVITY TO BE WITHIN +/-3dB FROM INITIAL.  
                          (THE MEASUREMENT TO BE DONE AFTER 2 HOURS OF CONDITIONING AT 25°C.) |
| **HUMIDITY TEST** | AFTER EXPOSURE AT 40°C AND 95% RH FOR 48 HOURS, SENSITIVITY TO BE WITHIN +/-3dB FROM INITIAL.  
                          (AFTER 1 HOUR OF CONDITIONING AT 25°C.) |
| **TEMPERATURE CYCLE TEST** | AFTER EXPOSURE AT -10°C FOR 1HOUR, AT 25°C FOR 1 HOUR, AT 50°C FOR 1 HOUR, ATO 25°C FOR 2 HOURS, 4 CYCLES ,SENSITIVITY TO BE WITHIN +/-3dB.  
                          (AFTER 2 HOURS OF CONDITIONING AT 25°C) |

*REGARDING THE SOLDERING OPERATION :  
EACH CONDENSER MICROPHONE CONTAINS A FET WITHIN ITS CASE.  
GENERALLY, OVER-HEATING, OVER-CHARGE OF VOLTAGE IS EASY TO DESTROY SEMICONDUCTORS.  
1. USE 30W (OR UNDER) SOLDERING IRON AND MAINTAIN 230°~260°C IN OPERATION.  
2. SOLDERING SHOULD BE ACCOMPLISHED WITHIN TWO SECONDS AT EACH TERMINAL SO AS NOT TO BE OVERHEATED.  
3. DO NOT MAKE A CAVITY AT THE SERFACE OF LEAD ON THE PATTERN PLATE. (A CAVITY MAY CHANGE THE CHARACTERISTICE OF CONDENSER MICROPHONE.)