

Address:  
BLOCK 1, DEHUINA INDUSTRIAL DISTRICT,  
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HOME PAGE: www.globalsources. com/hornmic.co

**CUSTOMER: Digi-Key Corporation**

## APPROVE SHEET

| PRODUCT NAME                        | TYPE        | DIMENSION    |          |
|-------------------------------------|-------------|--------------|----------|
| Electret<br>Condenser<br>Microphone | EM6027PA-42 | Ø6.0×2.7(mm) | Pin Type |

**APPROVED :**

李 華

DATE: 2000.11.25

**CHECKED BY:**

陳 為 波

DATE: 2000.11.25

**ISSUED BY:**

陳為波

DATE:



**APPROVED BY:**

**DATE:**

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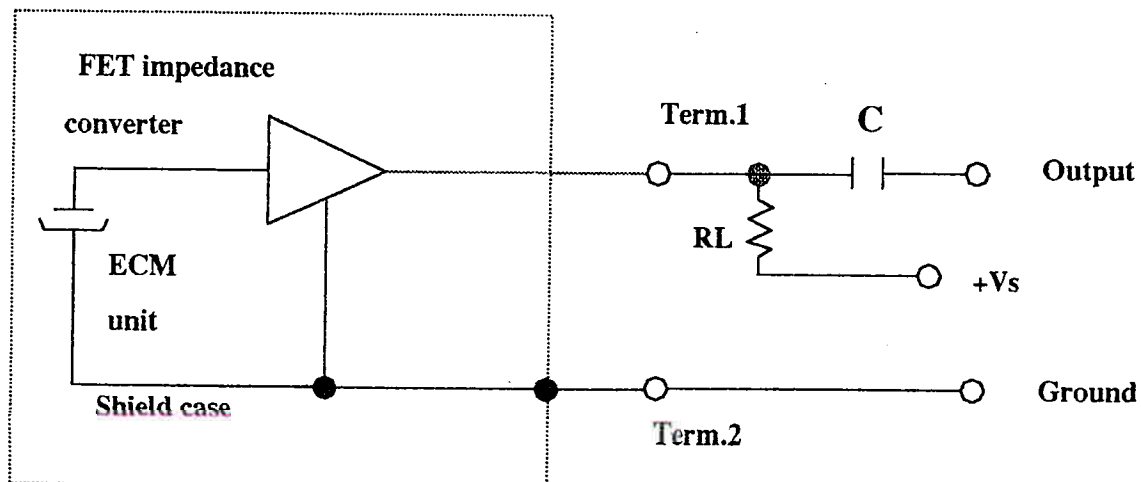
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## SPECIFICATION

| Item                  | Symbol           | Test conditions                  | Min | Standard | Max | Unit            |
|-----------------------|------------------|----------------------------------|-----|----------|-----|-----------------|
| Sensitivity           | S                | f=1KHz. Pin=1ubar                | -45 | -42      | -39 | dB<br>OdB=1V/Pa |
| Directivity           | Omni directional |                                  |     |          |     |                 |
| Impedance             | Zout             |                                  |     |          | 2.2 | KΩ              |
| Current consumption   | I                | f=1KHz. Pin=1ubar                |     |          | 500 | uA              |
| Sensitivity reduction | ΔS               | f=1KHz. Pin=1ubar<br>Vs=4.5→1.5V |     |          | -3  | dB              |
| S/N ratio             | S/N(A)           | f=1KHz. Pin=1ubar<br>A=curve     | 40  |          |     | dB              |

### Measurement Circuit (Test Condition Vs=4.5V RL=2.2KΩ

Ta=20℃ R.H=65%)

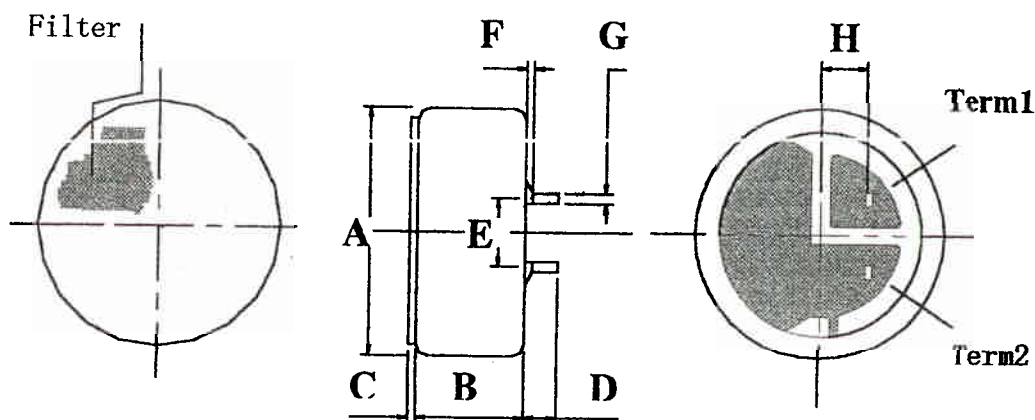


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## Dimensional Drawing

unit: mm



| PART | MIN  | TYPE | MAX  | REMARK |
|------|------|------|------|--------|
| A    | Ø5.9 | Ø6   | Ø6.1 |        |
| B    | 2.5  | 2.7  | 2.9  |        |
| C    | -    | -    | 0.2  |        |
| D    | 0.7  | 0.9  | 1.1  |        |
| E    | -    | 1.9  | -    |        |
| F    | -    | -    | 0.3  |        |
| G    | -    | -    | 0.5  |        |
| H    | -    | 0.8  | -    |        |

## Typical Frequency Response Curve

