

**Electret Condenser Microphone (Unidirectional)**

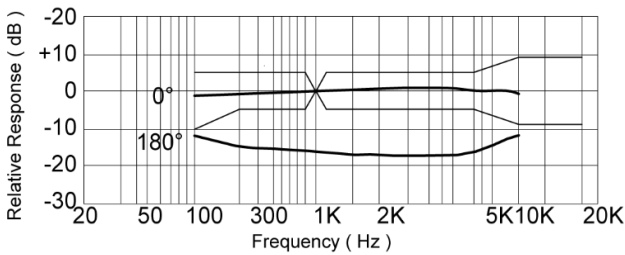
**Model: CMUB4022-15068-523S-1033**



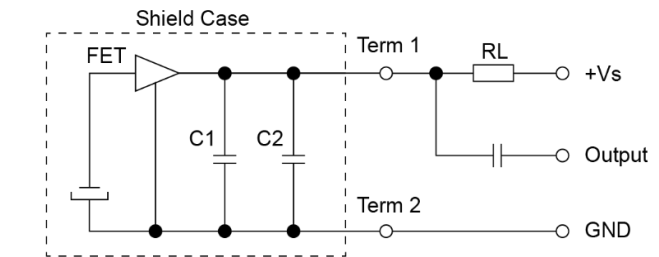
**ELECTRICAL SPECIFICATIONS**

|                            | Condition                    | Parameter      | Unit |
|----------------------------|------------------------------|----------------|------|
| Directivity                |                              | Unidirectional |      |
| Sensitivity                | 0dB = 1V/Pa, 1KHz            | -52 ± 3        | dB   |
| Operating Voltage          |                              | 1 ~ 10         | Vdc  |
| Standard Operating Voltage |                              | 1.5            | Vdc  |
| Output Impedance           | 1KHz, 1Pa                    | 680            | Ω    |
| Frequency Range            |                              | 100 ~ 10K      | Hz   |
| Current Consumption        | at recommended drive circuit | Max. 500       | μA   |
| Sensitivity Reduction      | at 1.0Vdc                    | within -3      | dB   |
| S/N Ratio                  | 1KHz, 1Pa, A-weighted        | Min. 60        | dBA  |
| Terminal                   |                              | Solder Pads    |      |
| Operating Temperature      |                              | -20 ~ +70      | °C   |
| Storage Temperature        |                              | -20 ~ +70      | °C   |

**FREQUENCY RESPONSE CURVE**



**RECOMMENDED DRIVE CIRCUIT**



Vs: 1.5Vdc

RL: 680Ω

C1: 10pF / C2: 33pF

**MECHANICAL DRAWING**

Dimensions in mm

Tolerance ±0.5mm Except Specified

