

Electret Condenser Microphone (Omnidirectional)

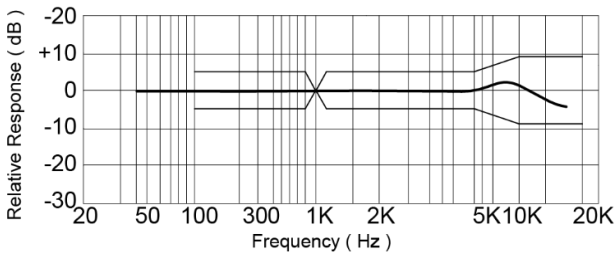
Model: CMO9765-4522-422S



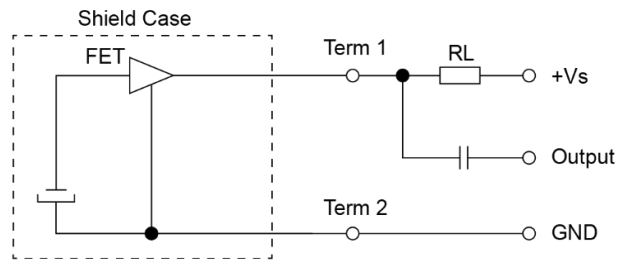
ELECTRICAL SPECIFICATIONS

| | Condition | Parameter | Unit |
|----------------------------|------------------------------|-----------------|------|
| Directivity | | Omnidirectional | |
| Sensitivity | 0dB = 1V/Pa, 1KHz | -42 ± 2 | dB |
| Operating Voltage | | 1 ~ 10 | Vdc |
| Standard Operating Voltage | | 4.5 | Vdc |
| Output Impedance | 1KHz, 1Pa | 2.2K | Ω |
| Frequency Range | | 50 ~ 16K | Hz |
| Current Consumption | at recommended drive circuit | Max. 500 | μA |
| Sensitivity Reduction | at 4.0Vdc | within -3 | dB |
| S/N Ratio | 1KHz, 1Pa, A-weighted | Min. 58 | dBA |
| Terminal | | Solder pad | |
| Operating Temperature | | -20 ~ +70 | °C |
| Storage Temperature | | -20 ~ +70 | °C |

FREQUENCY RESPONSE CURVE



RECOMMENDED DRIVE CIRCUIT



Vs: 3.0Vdc

RL: 2.2KΩ

MECHANICAL DRAWING

Dimensions in mm

Tolerance ±0.5mm Except Specified

