

Omnidirectional Back Electret Condenser Microphone Cartridge

Series: **WM-62A/62C/62CC/62K**
WM-62B (pin type)



■ Features

- Very small, omnidirectional microphone
- Most suited to products having limited space
- Back electret type designed for high resistance to vibrations
- Microphone with pins for flexible PCB (WM-62B type)
- Better shielded type (WM-62B, C, CC, K)

■ Recommended Applications

- WM-62CC (33pF)—GSM, PDC, etc.
- WM-62K (10pF)—DECT, PHS, PCN, PCS, etc.
- WM-62A/62B/62C without capacitor
- WM-62CC (33pF)—GSM, PDC
- WM-62K (10pF)—DECT, PHS, PCN, PCS
- WM-62A/62B/62C

■ Sensitivity

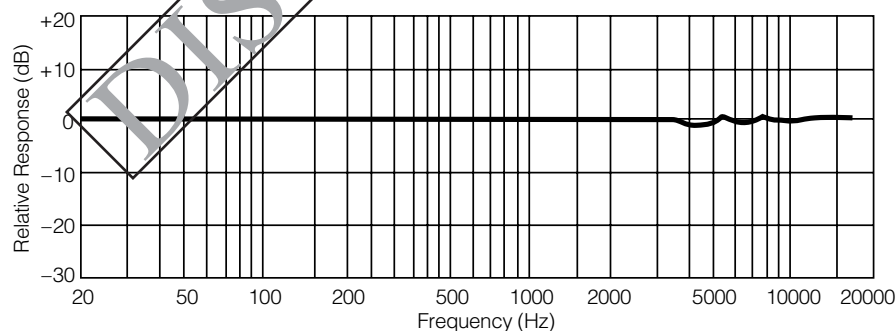
$V_s = 2.0V$
 $R_L = 2.2k\Omega$

$-45 \pm 4dB$
 (X: $-46 \pm 3dB$
 T: $-44 \pm 3dB$
 U: $-40 \pm 3dB$)

■ Specifications

| | |
|----------------------------|-----------------------------------|
| Sensitivity | $-45 \pm 4dB$ (0dB = 1V/Pa, 1kHz) |
| Impedance | Less than 2.2 k Ω |
| Directivity | Omnidirectional |
| Frequency | 20–16,000 Hz |
| Max. operation voltage | 10V |
| Standard operation voltage | 2V |
| Current consumption | Max. 0.5 mA |
| Sensitivity reduction | Within -3 dB at 1.5V |
| S/N ratio | More than 58 dB |

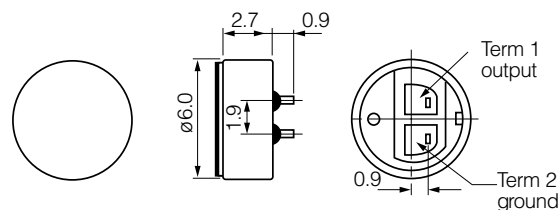
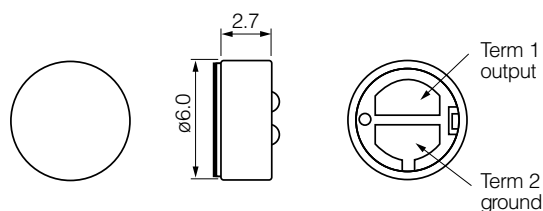
■ Typical Frequency Response Curve



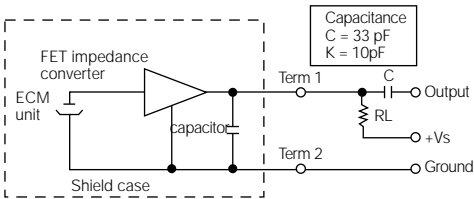
■ Dimensions in mm (not to scale)

WM-62PC/62PKWM-62A/62C/62CC/62K

WM-62B



Schematic Diagram



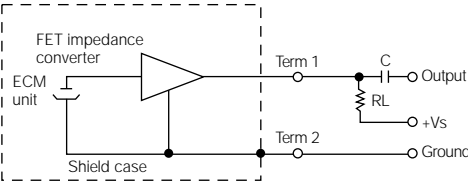
Standard Operating

Conditions:

Vs = 2.0V RL = 2.2kΩ

Model No.

WM-64C series
WM-64K series
WM-64BC series
WM-64BK series
WM-64EC series
WM-64EK series
WM-64PC series
WM-64PK series
WM-62EC series
WM-62EK series
WM-62PC series
WM-62PK series
WM-62CC series
WM-62K series
WM-66DC103
WM-47AC101



Standard Operating

Conditions:

Vs = 2.0V RL = 2.2kΩ

Model No.

WM-64A series
WM-62A series
WM-62C series
WM-62B series
WM-61A series
WM-61B series
WM-60A series
WM-66D103
WM-67D103
WM-65A103
WM-65A103
WM-47A101

Standard Operating

Conditions:

Vs = 1.5V RL = 680Ω

Model No.

WM-55D103
WM-55A103
WM-56A103

Standard Operating

Conditions:

Vs = 1.5V RL = 3.0kΩ

Model No.

WM-52B series

Standard Operating

Conditions:

Vs = 2.5V RL = 2.2kΩ

Model No.

WM-54B series

Standard Operating

Conditions:

Vs = 4.5V RL = 2.2kΩ

Model No.

WM-034B series
WM-034C series
WM-034M series

Standard Operating

Conditions:

Vs = 1.5V RL = 1.5kΩ

Model No.

WM-034D series
WM-034DB series
WM-034N series