# Panasonic

# **Microphone Cartridges**

## Omnidirectional Electret Condenser Microphone Cartridge

Series: WM-52B/54B (pin type)

### Features

- High-cost performance, electret condenser microphone cartridge
- WM-52B series are low-voltage, 1.5V operation microphones and suitable for all telephone applications, intercoms, and computers.

#### Sensitivity

#### WM-52B

Vs = 1.5V RL = 3.0kΩ	T –44±3dB Y –42±3dB U –40+3dB	Vs = 2.5V BL = 2.2k $\Omega$
	M –44±2dB H –42±2dB	
	P –40±2dB	

### WM-54B series are low-voltage 2.5V operation microphones and suitable for tape recorders, telephone devices, and toys

-46±3dB

х

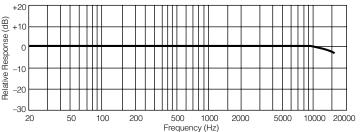
# WM-54B

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)±2dB		Н	-42±2d	В
2±2dB		М	-44±2d	В
I±2dB		U	-40±3d	В
)±3dB	HL = 2.2KS2	Υ	-42±3d	В
2±3dB	$RL = 2.2k\Omega$	Т	–44±3d	В

#### Specifications

Sensitivity	See next page (0dB = 1V/pA, 1kHz)	
Impedance	Less than 3.0k $\Omega$ [2.2k $\Omega$ ]	
Directivity	Omnidirectional	
Frequency	20–16,000 Hz	
Max. operation voltage	10V	
Standard operation voltage	1.5V [2.5V]	
Current consumption	Max. 0.3mA [0.6mA]	
Sensitivity reduction	Within –3 dB at 1.1V [2V]	
S/N ratio	More than 60dB	

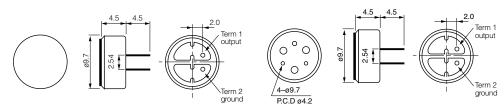
### Typical Frequency Response Curve



### **Dimensions in mm** (not to scale)

WM-52B

WM-54B



Design and specifications are subject to change without notice. Ask factory for technical specifications before purchase and/or use. Whenever a doubt about safety arises from this product, please contact us immediately for technical consultation.