

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.

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

■ Sensitivity

WM-52B

$V_s = 1.5V$
 $RL = 3.0k\Omega$

T $-44\pm 3dB$
Y $-42\pm 3dB$
U $-40\pm 3dB$
M $-44\pm 2dB$
H $-42\pm 2dB$
P $-40\pm 2dB$

WM-54B

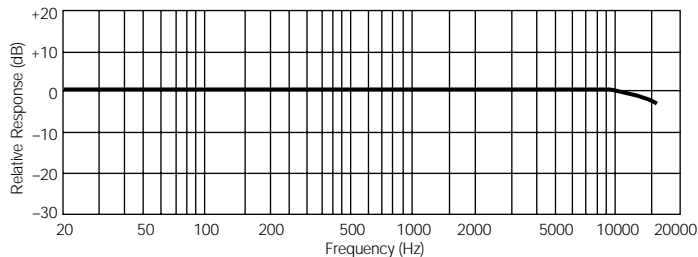
$V_s = 2.5V$
 $RL = 2.2k\Omega$

X $-46\pm 3dB$
U $-44\pm 3dB$
Y $-42\pm 3dB$
U $-40\pm 3dB$
M $-44\pm 2dB$
H $-42\pm 2dB$

■ Specifications

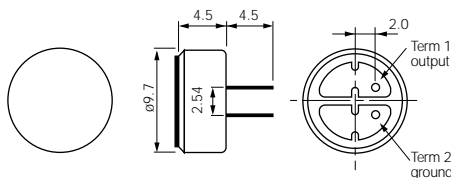
Sensitivity	See next page (0dB = 1V/pA, 1kHz)
Impedance	Less than 3.0k [2.2k Ω]
Directivity	Omnidirectional
Frequency	20–16,000 Hz
Max. operation voltage	10V
Standard operation voltage	1.5V [2.5V]
Current consumption	Max. 0.3mA [0.6mA]
Sensitivity reduction	Within -3 dB at 1.1V [2V]
S/N ratio	More than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

■ Typical Frequency Response Curve



■ Dimensions in mm (not to scale)

WM-52B



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