

## Omnidirectional Electret Condenser Microphone Cartridge

Series: **WM-034B/034DB** (pin type)  
**WM-034C/034D**



### ■ Features

- Useful for almost any type telephone and other applications
- Low operation voltage of 1.0V to 10V (2M-034D type)
- Microphone with pins for PCB (WM-034B/034DB type)

### ■ Sensitivity

WM-034B/034C

$V_s = 4.5V$   
 $R_L = 2.2k\Omega$

X  $-46\pm 3dB$   
Y  $-42\pm 3dB$   
Z  $-38\pm 3dB$

WM-034DB/034D

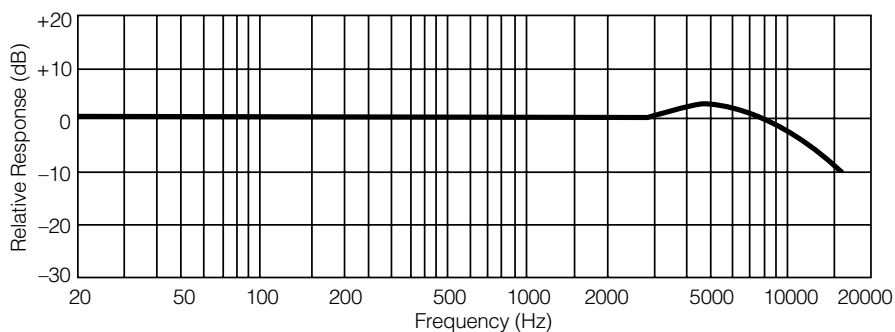
$V_s = 1.5V$   
 $R_L = 1.5k\Omega$

M  $-44\pm 2dB$   
H  $-42\pm 2dB$   
P  $-40\pm 2dB$   
R  $-38\pm 2dB$   
U  $-36\pm 2dB$

### ■ Specifications

|                            |   |
|----------------------------|---|
| Sensitivity                | See next page (0dB = 1V/pA, 1kHz)   |
| Impedance                  | Less than 2.2k $\Omega$ [1.5k $\Omega$ ]  |
| Directivity                | Omnidirectional   |
| Frequency                  | 20–16,000 Hz  |
| Max. operation voltage     | 10V   |
| Standard operation voltage | 4.5V [1.5V]   |
| Current consumption        | Max. 0.8mA [0.3mA]  |
| Sensitivity reduction      | Within $-3dB$ at 3V<br>[(M.H.): Within $-3dB$ at 1V]<br>[(P.R.U.): Within $-2dB$ at 1V] |
| S/N ratio                  | More than 60dB  |

### ■ Typical Frequency Response Curve



### ■ Dimensions in mm (not to scale)

WM-034B/034DB

WM-34C/034D

