Technical Data

Electret Condenser Microphone Unit

EM8023 Series

1. Specification:

1-1) Directivity [方向特性] ..... Omni Directional

1-2) Sensitivity [靈敏度] ..... -44.0 ± 3.0dB,(at f = 1kHz) , (ref.0dB = 1V/Pa) Vcc = 6.0V, RL = 1.0kΩ

D : -42.5 ± 2.0dB, G : -45.5 ± 2.0dB

1-3) Output Impedance [阻抗] ..... 1.0kΩ ± 30% at f = 1kHz, Pin = 1Pa

1-4) S/N Ratio [信操比] ..... Typ. 70.0dB, (at f = 1kHz, Pin = 1Pa), (A Weighted)

1-5) Operating Voltage Range [工作電壓範圍] ..... 6.0V (2.0V ~ 10.0V)

1-6) Current Consumption [電流消耗] ..... 650μA Max (Vcc = 6.0V, RL = 1.0kΩ)

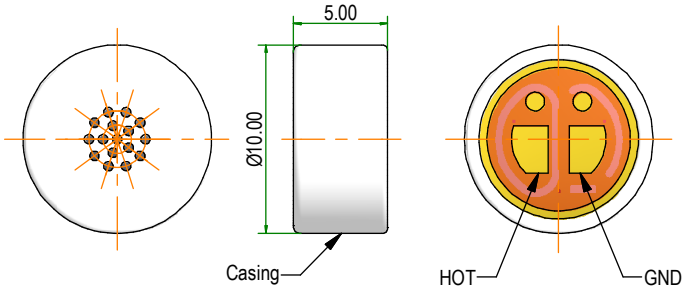
1-7) Maximum Input Sound Pressure Level [音壓] ... 114dB S.P.L.

1-8) Weight [重量] ..... Max 0.8 g

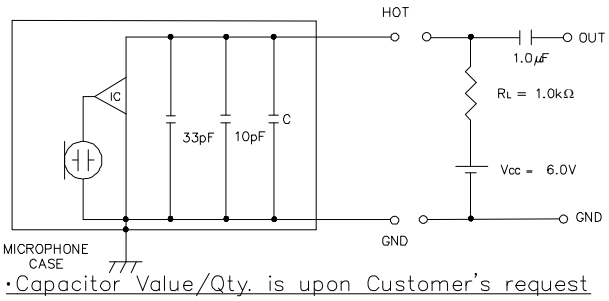
1-9) Capacitor (Built in) [電容(內置)] ..... N : (10pF + 33pF) + C : Optional

1-10) Cloth [布] ..... Optional (Dust / Water-proof)

2. Appearance and Dimension [mm]

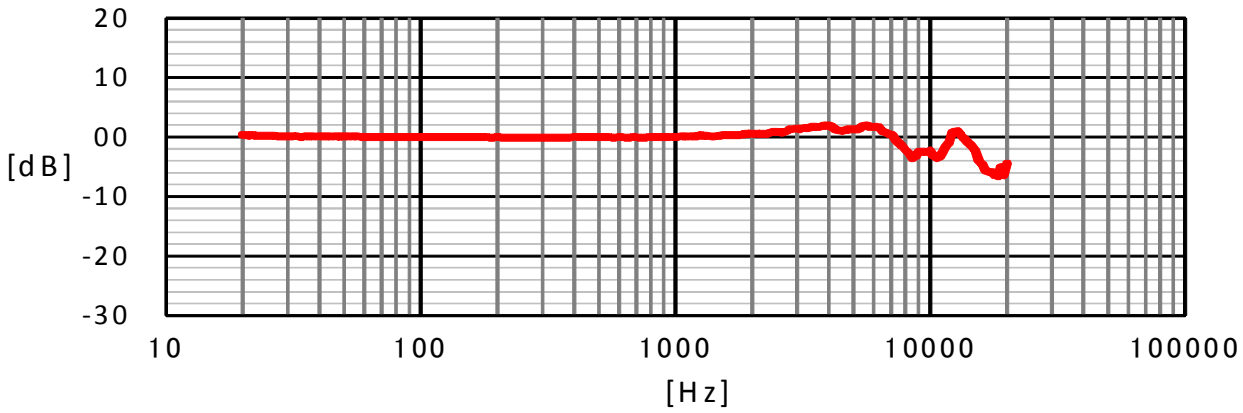


3. Electrical Circuit



・Capacitor Value/Qty. is upon Customer's request

4. Frequency Response



PRIMO MICROPHONES SINGAPORE (PTE) LTD
158 Kallang Way #06-07 PERFORMANCE BUILDING
SINGAPORE 349245
TEL: (65) 6747 3586 FAX: (65) 6744 3597
E-mail: pmsls@singnet.com.sg
Website: http://www.primo.com.sg

PRIMO MICROPHONES (HK) CO., LTD
Unit No. 815 - 816, 8/F, Shatin Galleria,
18 - 24 Shan Mei Street, Fotan, N.T.Hongkong
TEL: (852) 21449651 / 21449756 FAX: (852) 21449836
E-mail: pmhk@primomic.com.hk

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