

27mm Encased Miniature Speaker with Leads

multicomp PRO

**RoHS
Compliant**



Specifications

Rated Impedance (2.53Vrms @ 2kHz)	: $8\Omega \pm 20\%$
Rated Power	: 0.8W
Maximum Power	: 1W
Resonant Frequency (According to IEC 268-5)	: $850\text{Hz} \pm 15\%$ / 2.53Vrms
Frequency Range	: 500 - 20,000Hz
Sound Pressure Level @ 0.8W/0.1m @ 2kHz	: $90\text{dB} \pm 3\text{dB}$
Total Harmonic Distortion (@ 2kHz/0.8W/10cm)	: $\leq 10\%$ Max.
Operating Temperature	: -25°C to $+75^\circ\text{C}$
Weight	: 3g

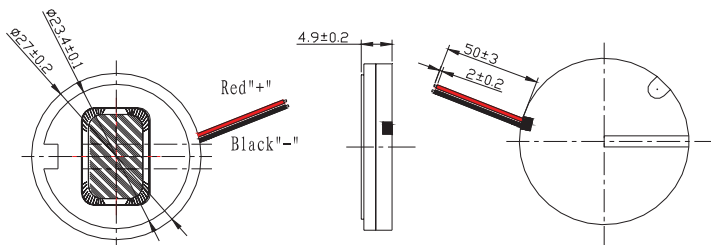
Material Specifications

Frame & Front Cover	: PPA
Diaphragm	: PEEK
Voice Coil	: Copper Wire
Solder Joints	: SUS (Stainless Steel)
Plate	: SPCC
Magnet	: NdFeB
Yoke	: SPCC
Plastic	: PC & ABS

Fixing

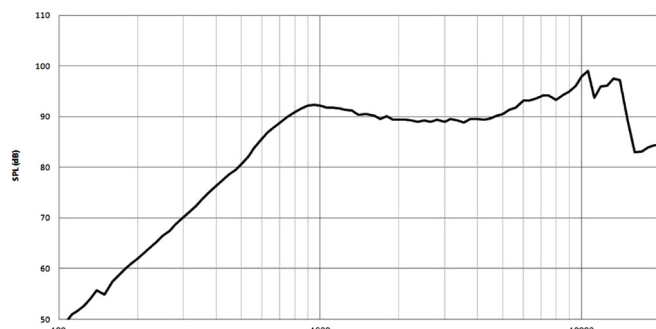
Wire	: 1571 32# Red & Black
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Diagram

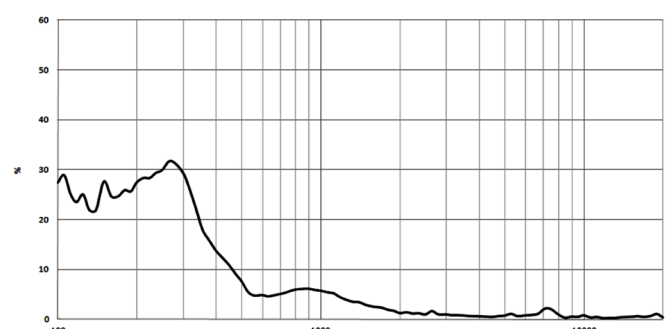


Dimensions : Millimetres
Tolerance : $\pm 0.2\text{mm}$

Typical Frequency Response



Typical THD Curve

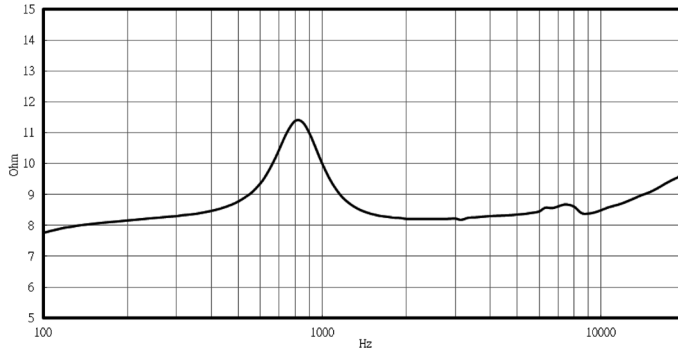


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sg.element14.com/b/multicomp-pro

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Typical Impedance Curve



Part Number Table

Description	Part Number
27mm Encased Miniature Speaker with Leads, 8Ω, 90dB, 500Hz-20kHz	MCABS-247-RC

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