

27mm Encased Miniature Speaker with Leads



**RoHS
Compliant**



Specifications

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

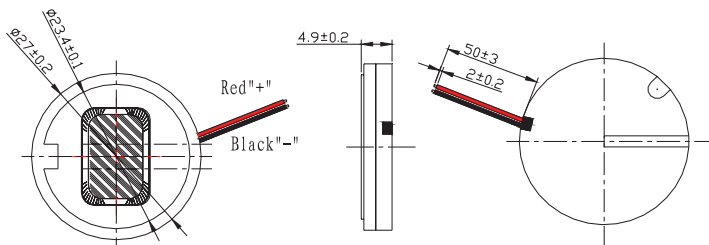
Material Specifications

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

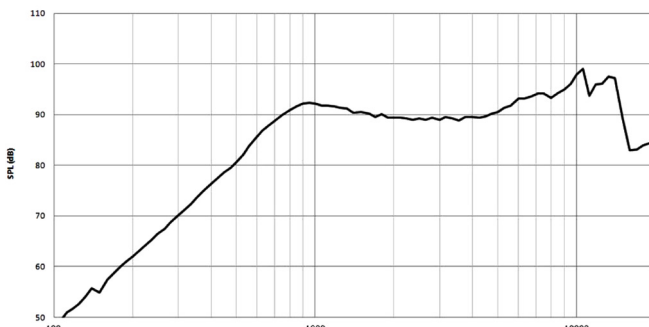
Wire : 1571 32# Red & Black

Diagram

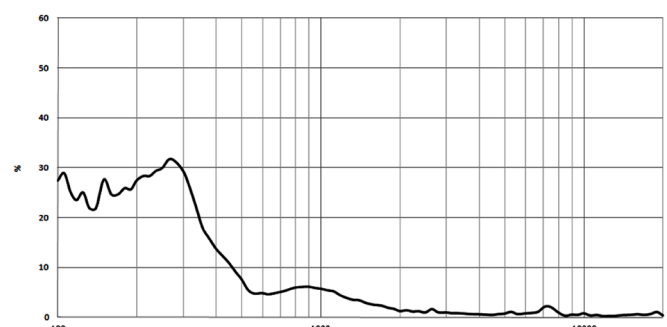


Dimensions : Millimetres
Tolerance : ±0.2mm

Frequency Response Curve



Typical THD Curve



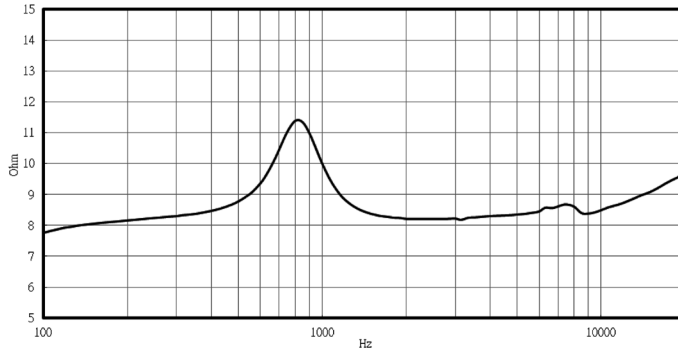
www.element14.com
www.farnell.com
www.newark.com



27mm Encased Miniature Speaker with Leads



Typical Impedance Curve



Part Number Table

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

Important Notice : This data sheet and its contents (the "Information") belong to the members of the Premier Farnell group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. Multicomp is the registered trademark of the Group. © Premier Farnell Limited 2016.

