

AVL-2000-SM

Surface Mount Masking Transducer



Technical Specifications

Transformer

Transformer Taps	.25, .5, 1, 2, & 4 watts
Height	2 ³ / ₈ " (60.3 mm)
Length	3 ¹ / ₂ " (88.9 mm)
Width	3 ¹ / ₂ " (88.9 mm)

Transducer

Height	1" (25.4 mm)
Length	2 ¹ / ₂ " (63.5 mm)
Width	2 ¹ / ₂ " (63.5 mm)
Cable Length	117" (3 m)

Features

- Two Part Assembly
- Works with Many Flat Surfaces
- Transformer Taps ¼ – 4 watts
- Security Masking Setup for Privacy

Applications

The AVL-2000-SM is a valuable security product that can be used on any flat surface. Including windows, doors, walls, and ducts.

The subtle design of the AVL-2000-SM two-part transducer / transformer provides discrete placement and mounting options. Incorporating NXT™ Exciter Technology in a 1", coil-mounted plate, the transducer offers installation, while the transformer can be remote-mounted and adjusted with variable tap settings.

Note: The AVL-2000-SM requires a sound masking generator and 70.7V amplifier for operation.

General Description

The AVL-2000-SM is designed for security masking applications where disruption of planar surfaces is required to thwart laser microphone sensors. Surfaces where masking might be considered would include: windows, doors, walls, ducts or any flat surface.

The unit is a two-part assembly (not sold separately) consisting of a transducer / enclosure and an external transformer interface. The transducer employs NXT™ exciter technology with a 1" plate mounted coil housed in a discrete, high impact plastic enclosure with 10' insulated lead wire for termination to the external transformer. Enclosure includes pre-installed 3M™ "peel and stick" adhesive for simple, quick installation to most any flat surface. Transformer assembly includes .25, .5, 1, 2, & 4 watts @ 70.7V with simple "keyhole" slots for remote mounting.

Architect & Engineer Specifications

The surface mount transducer shall consist of a two component assembly. The transducer portion that shall be affixed to the surface to be excited via an included twin sided peel & stick adhesive pad is to be in a separate enclosure, from the included matching assembly. The transducer shall consist of a 1" coil, mounted to a transition surface plate which when fed by the output matching assembly will reproduce a noise masking spectrum and induce the spectrum to be transmitted to the surface to be excited. The separate output matching assembly will include multiple transformer taps of ¼, ½, 1, 2, & 4 watts that are selectable by way of a Euro Block / Phoenix style connector. The output matching assembly shall be housed in a separate enclosure that includes screw holes for remote mounting and is connected via an included 117" (3 m) cable.

The unit shall be the AVL-2000-SM surface mount transducer system.