



# CSF506

In-ceiling speaker with fire dome



## ► Features

- Full metal enclosure
- 5 1/4" Full range driver
- 100V multitap transformer
- Ceramic connection block
- Thermal fuse
- Ceiling clamping mounting system
- Steel front grill and back dome
- Paintable to blend in
- EN60849 compliant

## ► Applications

- Hotels
- Restaurants & pubs
- Corporate offices
- Retail stores & warehouses
- Public buildings
- Airports & train stations
- ...

The CSF506 is an in-ceiling loudspeaker which is specifically designed for alarm and announcement purposes in a wide variation of applications.

It features a full range 5 1/4" driver with a continuous power handling of 6 Watt and a maximum power handling of 12 Watt. The full range construction makes it also suitable for reproduction of background music.

A multi-tapping line transformer fitted a ceramic connection block allows connection of the speaker on 100 Volt public address systems with power tappings for 6 Watt and 3 Watt. A thermal fuse disconnects the speaker in case of fire, maintaining operation of other speakers in the system.

The mounting into the ceiling is achieved with a ceiling clamping mounting system which offers great installers convenience and lifetime stability.

The entire enclosure is made out of steel, including the front grill, back cover and mounting system. This guarantees reliable installation in circumstances with extreme heat or fire.

Custom painting is possible to make it blend in completely with environment.

## ► Specifications

SYSTEM SPECIFICATIONS	
Speaker type	Broadband
Max. power	12 W
RMS power	6 W
Impedance	8 Ohm
Line transformer power taps	6 Watt / 1667 Ohm 3 Watt / 3333 Ohm
Sensitivity (1W/1m)	90 dB
Sound pressure (Max W/1m)	97 dB
Frequency response (± 3 dB)	90 Hz - 18 kHz
Frequency range (-10 dB)	80 Hz - 20 kHz
Conical dispersion (1)	120°
PRODUCT FEATURES	
Dimensions (Diameter x Depth)	Ø 182 x 150 mm
Weight net	1.41 Kg
Connection	Ceramic multi-tap with thermal fuse
Drivers	Full range 5 1/4"
Construction	Steel with fire dome
Grill type	Finely perforated steel grill
Cut-out measurement	Ø 156 mm
Built-in Depth	130 mm
Mounting & handling	Ceiling clamping system
Available colours	CSF506/W   White (RAL9010)
SHIPPING & ORDERING	
Packaging	Cardboard box
Shipping weight & volume	1.62 Kg - 0.0053 Cbm
(1) Half space (flush mounted in ceiling), average 100 Hz to 10 kHz at -6 dB	
*AUDAC reserves the right to change specifications without notice: this is part of our policy to continuously improve our products.	

## ► Architects' and Engineers' Specifications

---

The ceiling mount loudspeaker shall be a full range type equipped with a 5 1/4" low frequency driver and fitted with a line transformer allowing it to be used on 100 Volt distributed lines.

It shall have an RMS power handling of 6 Watt with a maximum power handling of 12 Watt and the frequency response ( $\pm 3$  dB) shall range from 90 Hz to 18 kHz. The sensitivity shall be 90 dB when measuring with an input signal of 1 Watt at a distance of 1 meter, while the maximum continuous sound pressure level shall be 97 dB. The nominal dispersion shall be a 120° conical coverage pattern at -6dB (average 100 Hz - 10 kHz).

The loudspeaker shall be fitted with a multi-tapping line transformer with tappings for 6 Watt and 3 Watt which is connected using a ceramic connection block. A thermal fuse shall disconnect the speaker in case of fire or extreme heat, maintaining operation of other speakers in the system.

The speakers enclosure shall be made out of steel, including the front grill, back cover and mounting system to guarantee a reliable installation in circumstances with extreme heat or fire. The loudspeakers' enclosure must be finished in RAL9010 color, have a diameter of 182 mm, a depth of 150 mm and the weight shall not exceed 1.41 kg. The speaker shall fit in a mounting hole with a cutout diameter of 156 mm and a build-in depth of 130 mm.

## ► Technical drawing

---

