

# CM6TSMF

## 6.5" fireproof dual cone loudspeaker



CM6TSMF is a 6.5" ceiling speaker with an all metal speaker grille, back-can and mounting dog-ears. This loudspeaker has been designed with safety in mind for 100 Volt applications which resulted in a modern and very competitively priced ceiling speaker with a safety metal dome. Easy to integrate in high quality background music and paging systems, the CM6TSMF offers a soundstage, unheard in this price range.

It is the ideal loudspeaker for background music and spoken message distribution. CM6TSMF has a very good speech intelligibility factor and a surprisingly wide dispersion at the typical speech frequencies, what makes it your number one choice for vocal announcements, evacuation systems.

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Thanks to the back can of the loudspeaker, ideal and constant sound is guaranteed. In perforated ceilings, you will not have an acoustic short circuit when installing CM6TSMF as the back can of the loudspeaker prevents this to happen. Another advantage of the back can is that people working or living on the floor above will not hear the music that is playing.

Possible applications for CM6TSMF could be hallways, boutiques and shops, board rooms and offices, emergency and evacuation systems.

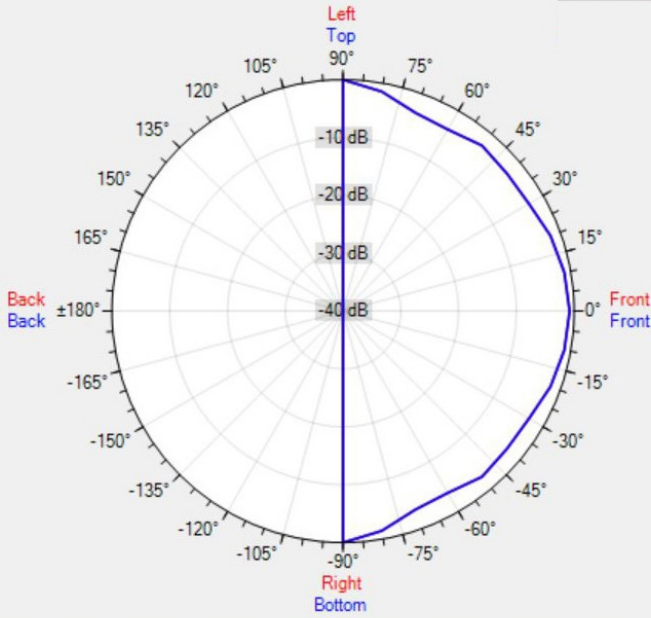
### TECHNICAL SPECIFICATIONS

|  |              |                                      |             |
|--|--------------|--------------------------------------|-------------|
| outside diameter in mm                     | 205          | depth in mm                          | 120         |
| cutout in mm                               | 182          | installation grip range in mm        | 1 - 30      |
| loudspeaker system                         | dual cone    | woofer size in inch                  | 6.5         |
| woofer cone material                       | coated paper | mounting system                      | 3 screws    |
| colour                                     | white        | 100V transformer power taps in watts | 6 - 3 - 1.5 |
| SPL 1W/1m in dB                            | 94           | max SPL 1m in dB                     | 101         |
| frequency response in Hz                   | 90 - 19K     | main construction material           | steel       |
| grille main material                       | steel        | IP rating                            | 60          |
| applicable low impedance                   | no           | applicable in 100V                   | yes         |
| Horizontal dispersion angle 1000 Hz        | 180°         | Vertical dispersion angle 1000 Hz    | 180°        |
| closest RAL colour (subject to deviations) | RAL9003      | Net weight product in kg             | 1.50        |

## POLAR PLOTS

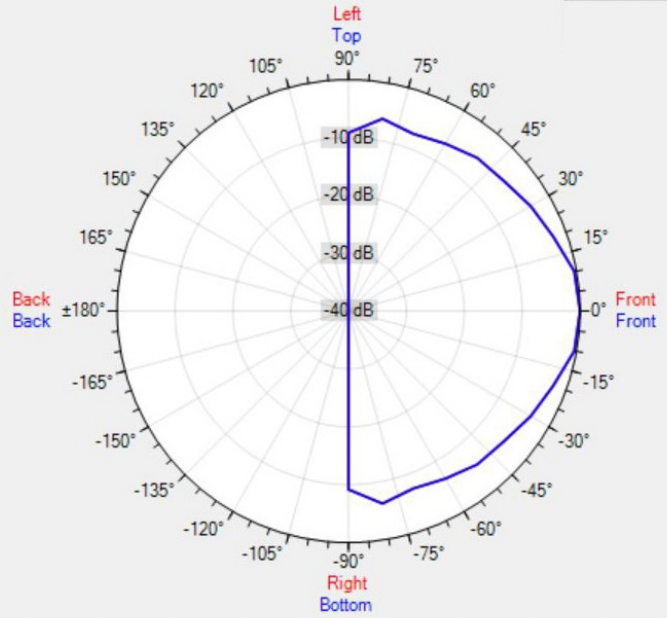
Data Shown: CM6TSMF (Apart Audio)  
 Display Parameters: Frequency: 1000Hz (1/24th Octave)

Horizontal  
 Vertical



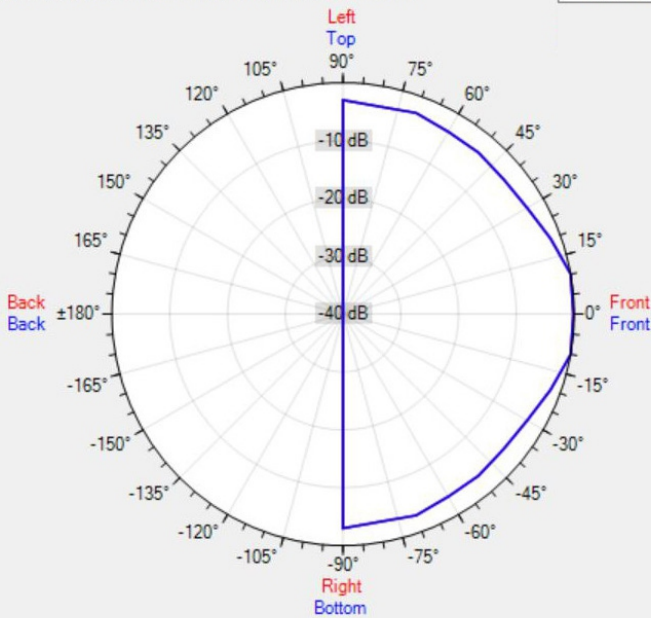
Data Shown: CM6QFT (Apart Audio)  
 Display Parameters: Frequency: 2000Hz (1/24th Octave)

Horizontal  
 Vertical



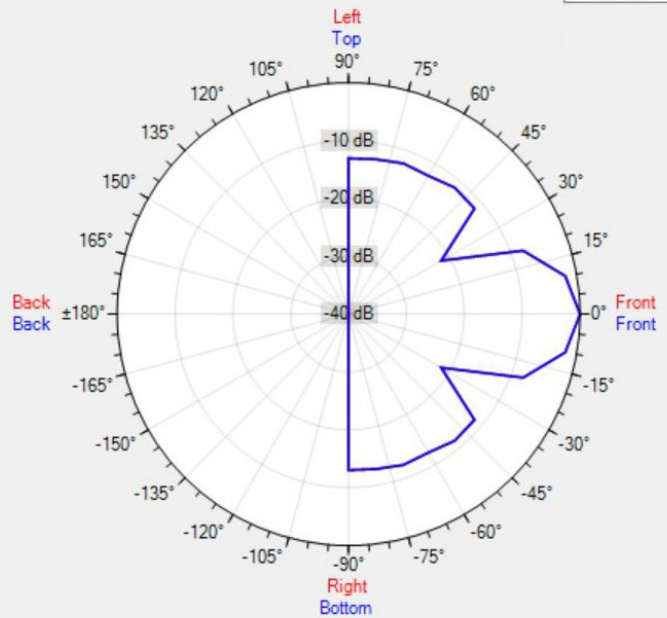
Data Shown: CM6TSMF (Apart Audio)  
 Display Parameters: Frequency: 4000Hz (1/24th Octave)

Horizontal  
 Vertical



Data Shown: CM6TSMF (Apart Audio)  
 Display Parameters: Frequency: 8000Hz (1/24th Octave)

Horizontal  
 Vertical



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