amperes ®
Precision Design, absolute Confidence

TECHNICAL DATASHEET

Public Address Systems

FS338 - Foreground Music Speaker

EVAC / BGM

Multiple Power Tapping

2 x 4" mid bass driver with tweeter for wider coverage

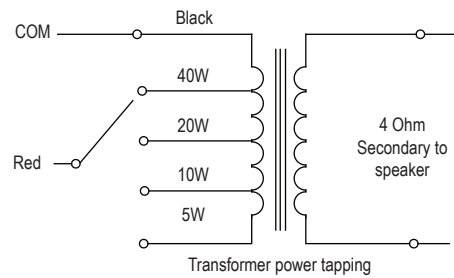Dual Angle Mounting Bracket

Introduction

FS338 is built as multi purpose speaker, optimising the features of smooth and pleasant outlooks while maintaining the audio performance. Thus by its appearance and sound quality, it can be employed in most indoor venues.

It is driven by 2 x 4" PP speakers and a 1" tweeter with 40W 100V line power. It can also be driven directly from audio amplifier with 4 Ohm connections. Multiple power tapping is available via the rotary switch from 5 to 40W 100V line.
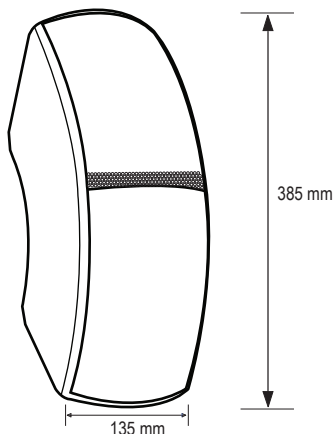
Installation is rather flexible due to its dual angle mounting bracket. They can be mounted in horizontal or vertical position. If wider coverage is required, then can be installed in horizontal array format, with two, three or 360 degree format via the optional mounting pole.
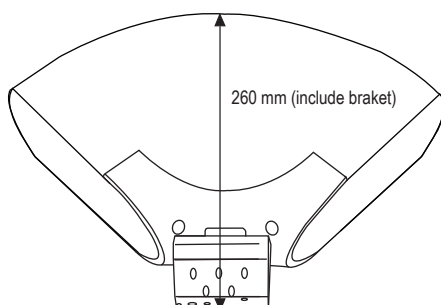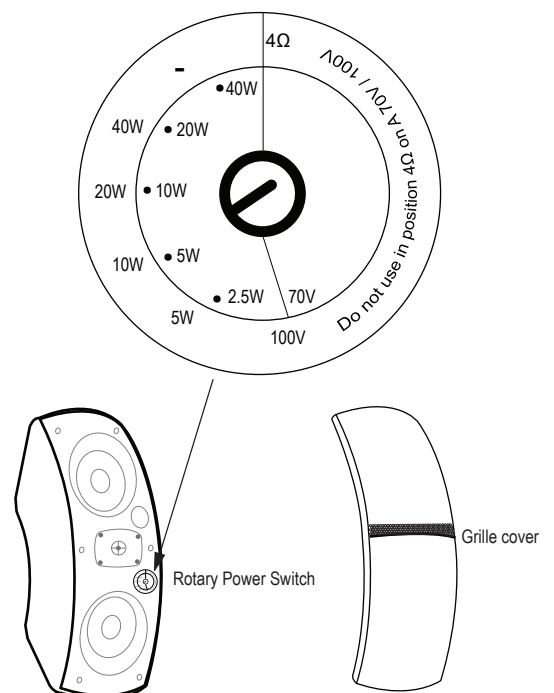
Circuit Diagram

COM — Black

40W

20W

10W

5W

Red

4 Ohm Secondary to speaker

Transformer power tapping

Speaker Dimension

Front View

385 mm

135 mm

Side View

260 mm (include braket)

Rotary Power Switch

4Ω

•40W

40W •20W

20W •10W

10W •5W

5W •2.5W

70V

100V

V001 / V07 no Ω4

Do not use in position 4Ω on A 70V / 100V

Rotary Power Switch

Grille cover

Open the grille cover to adjust the Rotary Power Switch

Frequency Response Chart

Polar Chart

Directivity pattern

f =16000 Hz, Q = 2.80, DI = 4.5 dB, Angle(-6dB) = 114.2°
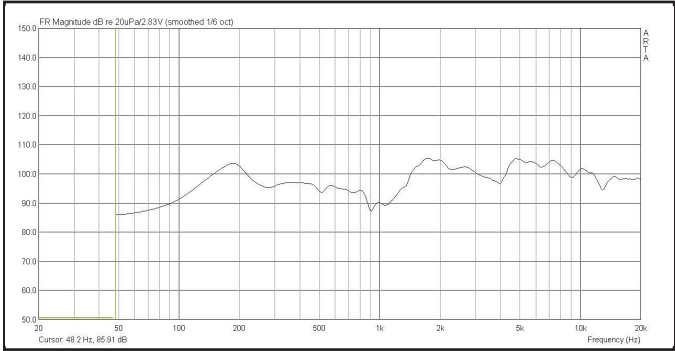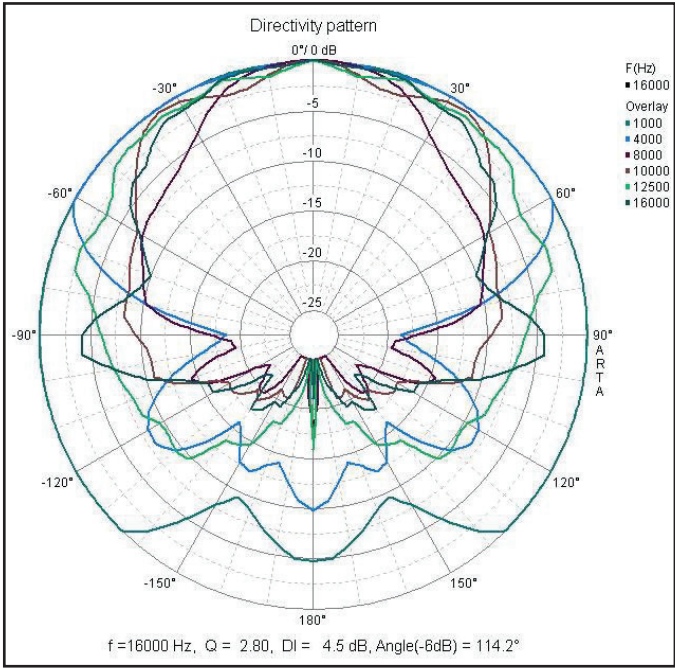
SPL - Distance Chart

TAP	IM	2M	3M	4M	5M
5W	91	85	81. 5	79	77
10W	94	88	84.5	82	80
20W	97	91	87.5	85	83
40W	100	94	90.5	88	86

The above chart shows the co-relation of SPL and distance from speaker based on the characteristics of FS338, at 1 kHz.

Different frequencies may have different dB values at hearing point.

Speaker

Power rating	40W 100V line
Diameter	2 x 4" (100 mm)
Speaker type	2 way speaker with tweeter
Impedance	4 Ohm
Freq response @ 1kHz +/- 3dB	70 - 16 kHz
SPL @ 1W / m (+/-3dB) 1 KHz	87 dB
Dispersion angle (H)	180°

Transformer

Tapping (100V line)	5 / 10 / 20 / 40W
Primary impedance (Ohm)	2K / 1K / 500 / 250 / 4
Secondary impedance (Ohm)	4

Physical

Grille / enclosure	ABS enclosure with metal grille
Overall size (WxHxD)	135 x 385 x 260 mm
Weight	3.50 kg
Colour	Black

Packing Information

Carton box dimensions	555 (W) x 295 (H) x 165 (D) mm
Weight	7.65 kg
Packing quantity	2 Uts