PC-648R / PC-658R / PC-668R / PC-668RC

Flush Mount Ceiling Speakers

Flush Mount Ceiling Speaker

Spring Clamp Type PC-648R & PC-658R

Integrated with a resin panel and speaker frame, the PC-648R and PC-658R are ceiling mount speakers with a metal grille attached. They feature spring clamp mechanism for easy speaker mounting to the ceiling. The input impedance can be easily changed by changing the tap position of the transformer.

Features

- Spring clamp mechanism for easy speaker mounting to the ceiling
- PC-648R: 12cm (5") cone type
- PC-658R: 16cm (6") cone type
- New Color Code: RAL 9016
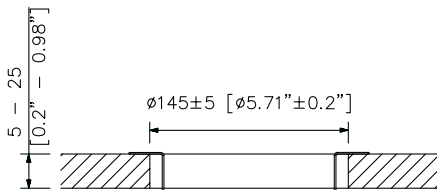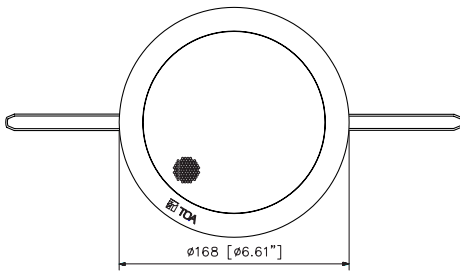- Optional flame retardant (HIPS UL-94VO) backcan
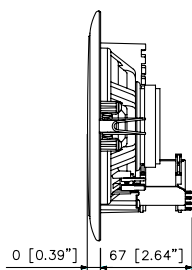
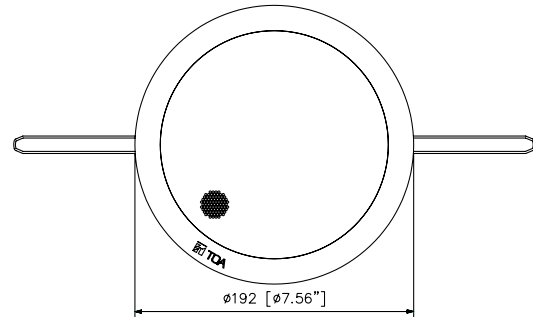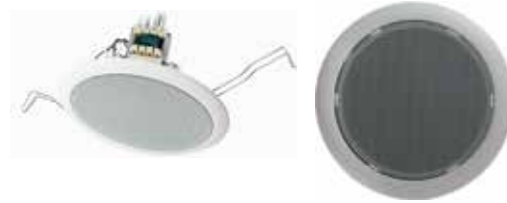**Optional Backcan:**

HY-BC648
(for PC-648R)

HY-BC658
(for PC-658R)

12cm (5") Cone-Type
PC-648R

ø168 [ø6.61"]

5 – 25 [0.2" – 0.98"]

ø145±5 [ø5.71"±0.2"]

Mounting Diagram

0 [0.39"]   67 [2.64"]

16cm (6") Cone-Type
PC-658R

ø192 [ø7.56"]

5 – 25 [0.2" – 0.98"]

ø170±5 [ø6.69"±0.2"]

Mounting Diagram

10 [0.39"]   63 [2.48"]
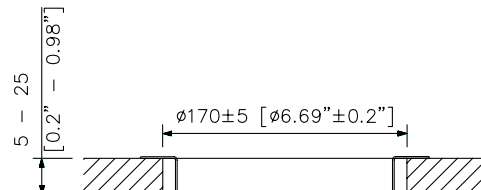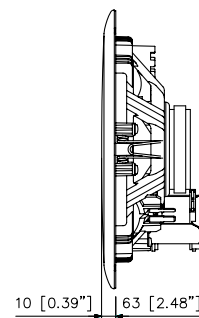
Flush Mount Ceiling Speaker

Spring Clamp Type PC-668R & PC-668RC

The PC-668R & PC-688RC is a Ceiling Mount Speaker with integrated resin panel and speaker frame. It feature spring clamp mechanism for easy speaker mounting to ceiling. The slim speaker frame design allows it to blend into the interior design of the application easily. Input impedance can be easily adjusted by changing the tap of the transformer. PC-668RC, comes with input terminal block which makes cable connection easy when bridging wires.

Features
- Spring clamp mechanism for easy speaker mounting to the ceiling
- 15 W, 8" Double cone-type
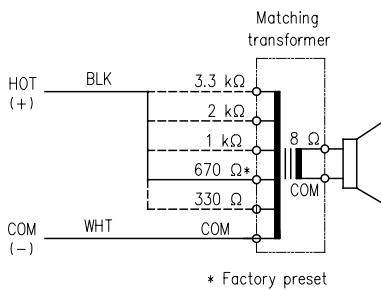- High Cost Performance
- New Color Code: RAL 9016
- PP Resin, SECC punching net

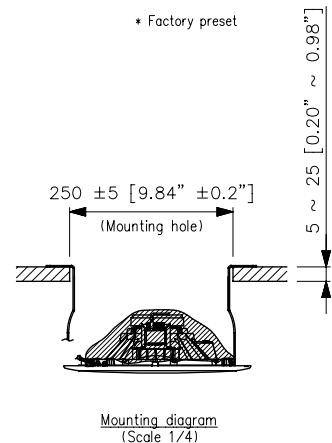20cm (8") Double Cone-Type
PC-668R

20cm (8") Double Cone-Type
PC-668RC

Wiring Diagram for PC-668R:

Matching transformer

HOT (+)   BLK   3.3 kΩ
                  2 kΩ
                  1 kΩ
                  670 Ω*   8 Ω
                  330 Ω   COM
COM (−)   WHT   COM

* Factory preset

Wiring Diagram for PC-668RC:

Matching transformer

Terminal   Capacitor
HOT (+)   3.3 kΩ
                     2 kΩ
            BLK   1 kΩ
                     670 Ω*   8 Ω
COM (−)   WHT   330 Ω   COM
                     COM
Bridging Terminal

* Factory preset

280 [11.02"]

Dust Cover
Cable L=250 mm [9.84"]
90 [3.54"]

250 ±5 [9.84" ±0.2"]
(Mounting hole)
5 ~ 25 [0.20" ~ 0.98"]

Mounting diagram
(Scale 1/4)
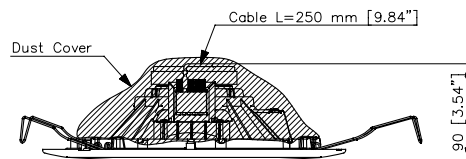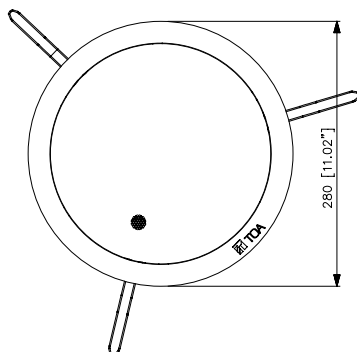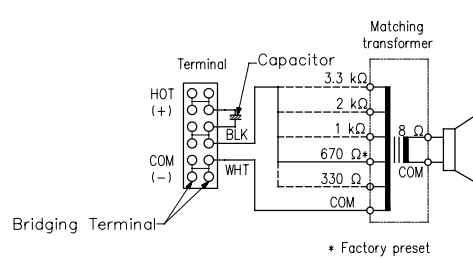
Specifications

Model	PC-648R	PC-658R
Rated Output	6 W (100 V Line), 3 W (70 V Line)	
Rated Impedance	100 V Line: 1.7 kΩ (6 W), 3.3 kΩ (3 W), 10 kΩ (1 W) 70 V Line: 1.7 kΩ (3 W), 3.3 kΩ (1.5 W), 10 kΩ (0.5 W)	
Sensitivity	90 dB (1W, 1m)	
Frequency Response	100 Hz - 18 kHz	65 Hz - 18 kHz
Speaker Component	12 cm (5") cone-type	16 cm (6") cone-type
Dimensions for Fixing Hole	Mounting hole: Ø 145 ± 5mm (Ø 5.71" ± 0.2") Ceiling thickness 5 - 25 mm (0.2 - 0.98")	Mounting hole: Ø 170 ± 5mm (Ø 6.69" ± 0.2") Ceiling thickness 5 - 25 mm (0.2 - 0.98")
Speaker Mounting Method	Spring Clamp	
Finish	Baffle: Polypropylene resin, white (RAL 9016 equivalent) Grille: Surface-treated Steel Plate Net, white (RAL 9016 equivalent), paint	
Dimensions	Ø 168 x 77 (D) mm (Ø 6.61" x 3.03")	Ø 192 x 73 (D) mm (Ø 7.56" x 2.87")
Weight	470 g (1.04 lb)	500 g (1.1 lb)
Accessory	Paper pattern x 1	

Model	PC-668R	PC-668RC
Rated Output	15 W (100 V, 70 V Line)	
Rated Impedance	100 V Line: 670 Ω (15 W), 1 kΩ (10 W), 2 kΩ (5 W), 3.3 kΩ (3 W) 70 V Line: 330 Ω (15 W), 670 Ω (7.5 W), 1 kΩ (5 W), 2 kΩ (2.5 W), 3.3 kΩ (1.5 W)	
Sensitivity	96 dB (Pink Noise 500 Hz- 5 kHz / 1W, 1m)	
Frequency Response	65 Hz - 20 kHz (at 20 dB below peak SPL)	
Speaker Component	20 cm (8") double cone-type	
Dimensions for Fixing Hole	Mounting hole: Ø 250 ± 5mm (Ø 9.84" ± 0.2") Ceiling thickness 5 - 25 mm (0.2 - 1.98")	
Input Connector	-	Push-In Connector (Bridging and branch connection possible)
Speaker Mounting Method	Spring Clamp	
Finish	Panel: Polypropylene resin, traffic-white (RAL 9016 or equivalent color) Grille: Surface-treated Steel Plate Net, traffic-white (RAL 9016 or equivalent color), paint	
Dimensions	Ø 280 x 90 (D) mm (Ø 11.02" x 3.54")	
Weight	960 g (2.12 lb)	970 g (2.14 lb)
Accessory	Paper pattern x 1	

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