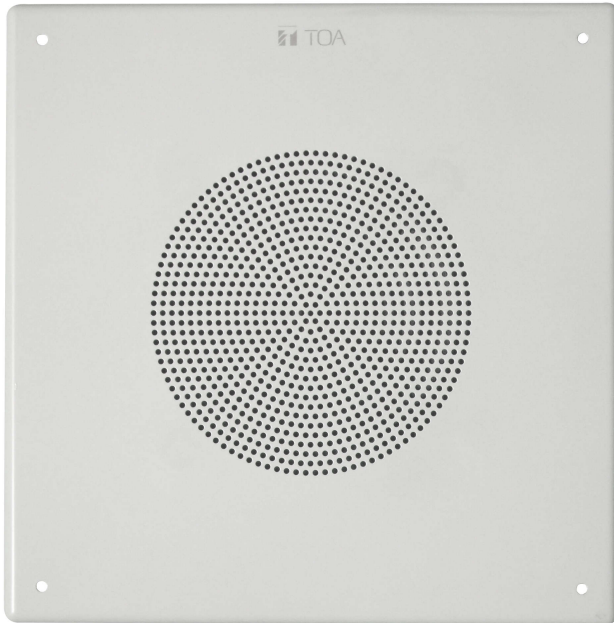


PC-580S AM

CEILING MOUNT SPEAKER



TOA's PC-580S is designed to fill the need for a high-performance, cost effective ceiling speaker for use in general paging and back ground music requirements. The PC-580S can easily be installed into retrofit projects.

Key features

- 8" in-ceiling speaker for high-quality paging applications
- Cost effective design
- 25V & 70V transformer taps up to 5W
- Fits standard ceiling-speaker template
- Unique "monocoque" design provides better structural integrity
- Optional Q-BB-580S or Q-BB-580W back-box

Specifications

Rated Input	5W (70.7 V line and 25 V line)
Rated Impedance	70.7 V line: 1 k Ω (5 W), 2 k Ω (2.5 W), 5 k Ω (1 W), 8.3 k Ω (0.6 W), 16.6 k Ω (0.3 W) 25 V line: 125 Ω (5 W), 250 Ω (2.5 W), 625 Ω (1 W), 1 k Ω (0.6 W), 2 k Ω (0.3 W)
Sensitivity (1W, 1m)	97 dB (1 W, 1 m)
Frequency Response	50 Hz - 16.5 kHz
Speaker Component	200 mm (8") Dual cone-type
Mounting Hole	ϕ 228.6 $\pm$ 3 mm (9" $\pm$ 0.12")
Speaker Mounting Method	Mounting screw M5 X 38
Connected Cable	Solid wire: ϕ 0.8 - ϕ 1.6 (AWG 20-12)
Connection	Push wire connection (Bridging terminal-2 branch type)
Operating Temperature	-10 $^{\circ}$ C to +50 $^{\circ}$ C (14 $^{\circ}$ F to 122 $^{\circ}$ F)
Finish	Panel: Steel plate, white, paintGrille: Steel plate, white
Dimensions	318 X 318 X 87 (D) mm (12.52" X 12.52" X 3.43")
Weight	1.90 kg (4.19 lbs)
Optional Accessories	Flush mount back box: Q-BB-580SSurface mount back box: Q-BB-580W

A&E specifications

The speaker shall be a high-performance, ceiling-mount design featuring a 200 mm (8") dual cone-type loudspeaker engineered for clear, full-range sound reproduction in general paging, background music systems. Designed for both 25 V and 70 V distributed audio applications, it shall feature transformer tap selection via dual push-in bridging terminals, allowing quick adjustment to multiple power settings. For 70.7 V operation, available taps shall be 5 W (1 k Ω), 2.5 W (2 k Ω), 1 W (5 k Ω), 0.6 W (8.3 k Ω), and 0.3 W (16.6 k Ω). For 25 V operation, available taps shall be 5 W (125 Ω), 2.5 W (250 Ω), 1 W (625 Ω), 0.6 W (1 k Ω), and 0.3 W (2 k Ω). The speaker shall deliver a sensitivity of 97 dB SPL (1 W / 1 m) and a frequency response from 50 Hz to 16.5 kHz, ensuring articulate speech and natural music playback. It shall operate within a temperature range of -10 °C to +50 °C (14 °F to 122 °F) and accept solid conductor cable from 0.8 mm to 1.6 mm in diameter (AWG 20–12). The housing shall feature an integrated grille design and be crafted from durable, white painted steel for a clean architectural finish. Installation shall require a 228.6 $\pm$ 3 mm (9" $\pm$ 0.12") cut-out, with overall dimensions of 318 $\times$ 318 $\times$ 87 mm (12.52" $\times$ 12.52" $\times$ 3.43") and a weight of 1.90 kg (4.19 lbs). The speaker shall be identified as the TOA model PC-580S.