SAROS IC6T

Saros® 6.5 in. 2-Way In-Ceiling Speaker

> High-performance 2-way in-ceiling speaker

> 6.5 in. polypropylene woofer with damped cloth surround for tight, controlled bass and clear midrange

> Optimized dual front ports for enhanced low-frequency response

> Wide-dispersion, horn-loaded titanium dome tweeter for crisp, clear high-end and enhanced pattern control

> Built-in 60 W 70V/100V multi-tap transformer

> Zero-bezel frameless grille for a clean, contemporary appearance

> Integral metal back can with top and side conduit knockouts

> Two-step toggle clamps for fast, easy installation

> Includes tile bridge for installation in a drop-tile ceiling

> Meets the UL® 2043 requirements for installation in an environmental air-handling space

> 125 W program power handling at 8 Ohms

> 50 Hz - 20 kHz frequency response

> 100° nominal coverage pattern

> Paintable to blend with surroundings

Saros® speakers by Crestron® deliver professional grade performance and flexible installation in a range of popular sizes for demanding commercial applications. Solid construction, easy installation, and high-end components are hallmarks of the Saros speaker line. Ideal for use in music, paging, and sound reinforcement systems, Saros speakers are engineered to achieve smooth, even coverage, high output, and clear, natural sound quality through the employment of horn-loaded titanium dome tweeters, high-efficiency damped cone woofers, ported enclosures, and precisely tuned crossovers.

The Saros IC6T model is a 2-way in-ceiling speaker featuring a 6.50 in. (165.1 mm) woofer and wide-dispersion, horn-loaded 1 in. (25.4 mm) dome tweeter. A built-in 60 W multi-tap transformer allows for use with 70V and 100V distributed speaker systems. Power handling at 8 Ohms is an impressive 125 W (program), with a wide frequency response from 50 Hz to 20 kHz (±3 dB).

The Saros IC6T is smartly designed for quick and easy installation and years of reliable performance. Its zero-bezel frameless grille achieves an unobtrusive and contemporary appearance well-suited for use in restaurants and night clubs, retail spaces, houses of worship, convention facilities, universities, and office buildings. Installing the grille requires no hardware or tools, utilizing powerful magnets to hold it in place. A safety tether is included to firmly secure the grille. Grilles can also be painted to blend with the ceiling surface.

Unitized construction of the speaker enclosure simplifies specification and installation for use in new and existing ceilings. Mounting the speaker is facilitated using rugged, 2-step toggle clamps integrated into the enclosure. Each toggle clamp offers two positions to accommodate standard and extra thick surfaces up to 2.4 in. (61 mm). A tile bridge is included to provide proper support when installed in a typical drop-tile ceiling. The tile bridge is adjustable to enable off-center speaker positioning, and can be folded to fit through the speaker cutout in blind-mount situations. Two rigging points are also provided on the top of the speaker enclosure for securing to the building structure using the optional safety tether kit (SPKA-ST-15 [1]).

An integral metal back can is employed to meet the UL® 2043 requirements for installation in an environmental air-handling (plenum) space. The wiring connection is accessible behind a rear cover panel by removing a single screw. Top and side knockouts are provided on the cover panel to accommodate 0.50 in. (12.7 mm) or 0.75 in. (19.05 mm) flexible conduit. A cable clamp is also provided. Connecting the wiring behind the cover planel is facilitated using a detachable screw terminal block with provisions for easy parallel wiring in a multi-speaker application. Setting the 70V/100V transformer tap is performed via a screwdriver-adjustable control located on the front baffle behind the grille.

Saros IC6T speakers are priced individually, but must be ordered in pairs.

CRESTRON®

SPECIFICATIONS

Features & Performance

Woofer: 6.5 in. (165 mm) polypropylene with ring mode decoupled cloth surround and steel basket

Tweeter: 0.98 in. (25 mm) titanium dome, horn loaded

Crossover Frequency: 2.5 kHz

Impedance: 8 Ohms nominal with transformer set to 8Ω

Transformer Taps: 3.75 W/7.5 W/15 W/30 W/60 W at 70V;
7.5 W/15 W/30 W/60 W at 100V

Frequency Response: 50 Hz to 20 kHz (±3 dB)

Frequency Range: 40 Hz to 20 kHz (-10 dB)

Power Handling: 125 W program (8 Ohms)

Sensitivity: 88.5 dB @ 1W/1m

Coverage: 100° conical (nominal)

Connections

Input: (1) 4-pin 5 mm detachable terminal block with screw-down flanges; Speaker input with parallel pass-through;
Maximum Wire Size: 12 AWG

Controls

Transformer Tap: (1) Recessed screwdriver-adjustable rotary switch on baffle; used to select 70V/100V tap or 8 Ohms (bypass)
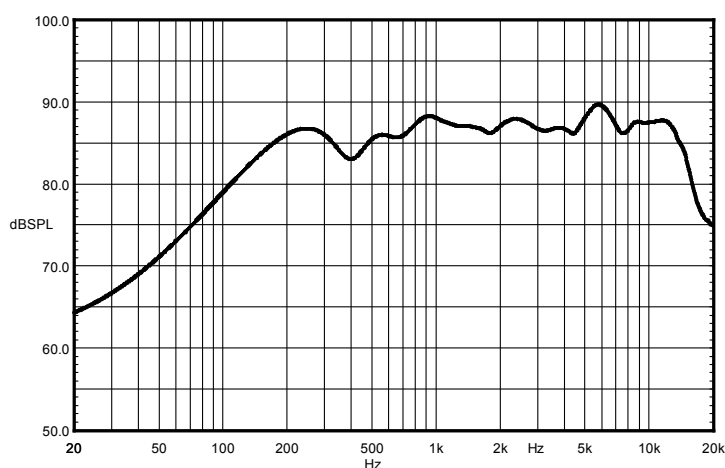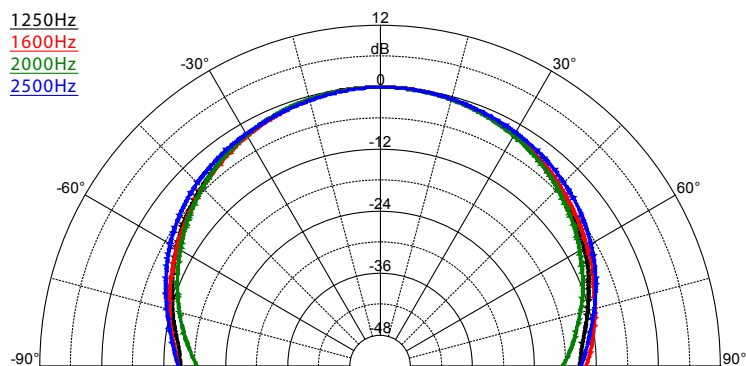

SAROS IC6T – Frequency Response
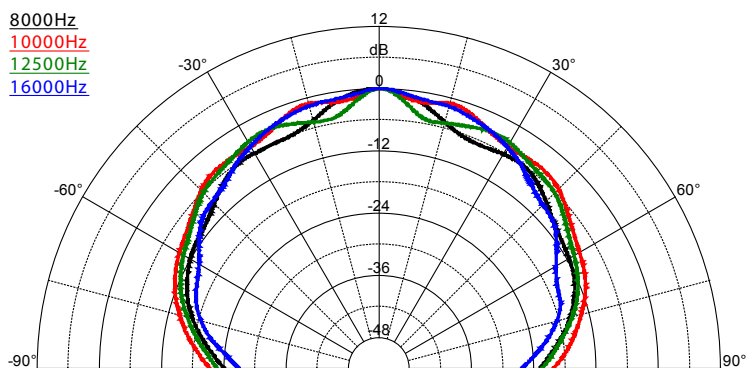

SAROS IC6T – Dispersion Pattern, 200 Hz - 400 Hz
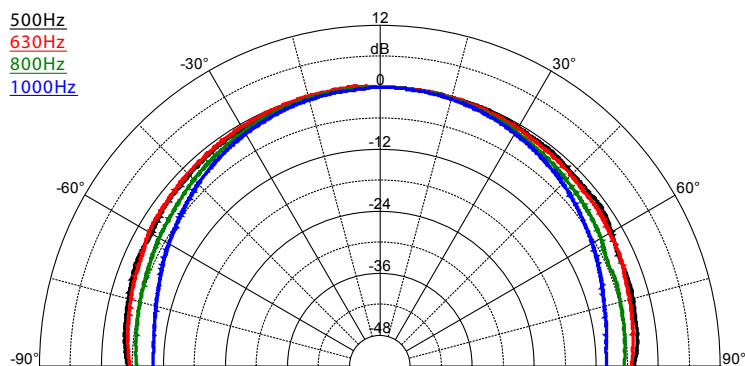
SAROS IC6T – Dispersion Pattern, 500 Hz - 1000 Hz

SAROS IC6T – Dispersion Pattern, 1250 Hz - 2500 Hz
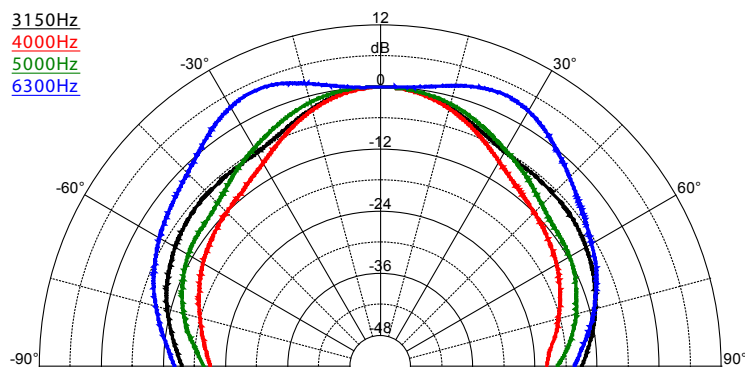
SAROS IC6T – Dispersion Pattern, 3150 Hz - 6300 Hz

SAROS IC6T – Dispersion Pattern, 8000 Hz - 16000 Hz

Environmental

Temperature: -2° to 120°F (-19° to 49°C)
Humidity: 5% to 95% RH (non-condensing)

Construction

Enclosure: Zinc-plated steel, plenum-rated, 0.50 in. (12.7 mm) or 0.75 in. (19.05 mm) conduit knockout top and side, (1) cable clamp included
Baffle: Glass fiber reinforced ABS plastic, UL® 94V-0 flame rated
Grille: Steel with white textured finish, paintable, magnetically-held zero-bezel frameless design, safety tether included
Mounting: Flush ceiling mount using 4 integral 2-step toggle clamps, 2.4 in. (61 mm) maximum surface thickness, 8.1 in. (206 mm) minimum mounting depth, 9.68 in. (246 mm) diameter recommended cutout, tile bridge included, (2) rigging points for safety tether (SPKA-ST-15 sold separately)

Dimensions

Diameter: 10.57 in. (269 mm) not including toggles
Depth: 8.31 in. (211 mm)

Weight

10.38 lb (4.7 kg)

Compliance

UL Listed for US & Canada, CE, FCC Part 15 Class B, UL 1480, UL 2043 [2]

MODELS & ACCESSORIES

Available Model

SAROS IC6T-W-T-EACH: Saros® 6.5 in. 2-Way In-Ceiling Speaker, White Textured, Single (must be ordered in multiples of 2)

Available Accessories

For a list of available accessories, visit the SAROS IC6T-W-T-EACH product page.

Notes:

1. Item(s) sold separately.
2. UL 1480 speakers for fire alarm and signaling systems in the United States, in accordance with the National Electrical Code, NFPA 70, and the National Fire Alarm and Signaling Code, NFPA 72. In Canada, in accordance with CSA C22.1, Canadian Electrical Code, Part I, Safety Standard for Electrical Installations; and with CAN/ULC S524, Standard for Installation of Fire Alarm Systems. UL 2043 in accordance with the Standards for Fire Test for Heat and Visible Smoke Release for Discrete Products and Accessories Installed in Air-Handling Spaces, UL 2043 and ULC ORD-C2043.

9.68 in.
(246 mm)

10.57 in.
(269 mm)

8.31 in.
(211 mm)