

SAROS IC6T

Saros® 6.5" 2-Way In-Ceiling Speaker

- > High-performance 2-way in-ceiling speaker
- > 6.5" 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 Watt 70/100V 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 requirements of UL® 2043 for installation in an environmental air-handling space
- > 125 Watts 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 background or foreground 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 6-1/2 inch woofer and wide-dispersion, horn-loaded 1 inch dome tweeter. A built-in 60 Watt multi-tap transformer allows for use with 70 and 100 Volt distributed speaker systems. Power handling at 8 Ohms is an impressive 125 Watts (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 prevent the grille from ever falling from the ceiling.

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 inches (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 requirements of UL® 2043 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 1/2" or 3/4" flexible conduit. A cable clamp is also provided. Connecting the wiring behind the cover panel is facilitated using a detachable screw terminal block with provisions for easy parallel wiring in a multi-speaker application. Setting the 70/100V transformer tap is performed via a screwdriver-adjustable control located on the front baffle behind the grille.

Saros IC6T speakers can be painted to blend with the ceiling surface. They are priced individually, but must be ordered in pairs.

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SPECIFICATIONS

Features & Performance

Woofer: 6.5 inch (165 mm) polypropylene w/ring mode decoupled cloth surround & steel basket

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

Crossover Frequency: 2.5 kHz

Impedance: 8 Ohms nominal with transformer set to "8Ω"

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

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

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

Power Handling: 125 Watts program (8 Ohms)

Sensitivity: 88.5 dB @ 1W/1m

Coverage: 100° conical (nominal)

Connections

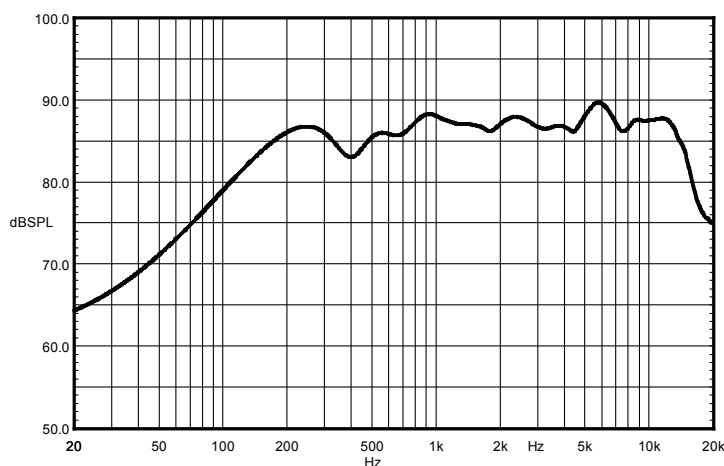
Input: (1) 4-pin 5 mm detachable terminal block with screw-down flanges;

Speaker input with parallel pass-thru;

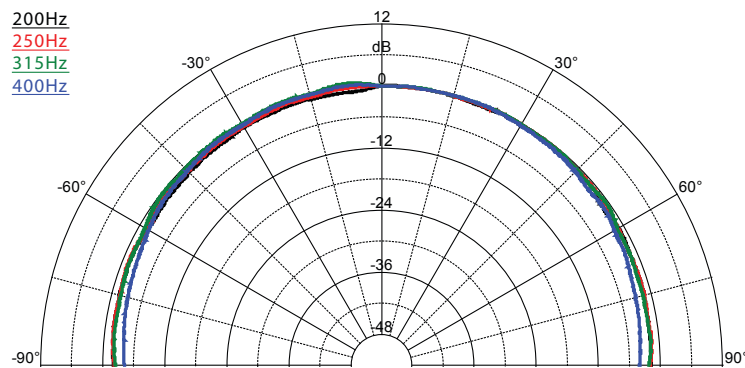
Maximum Wire Size: 12 AWG

Controls

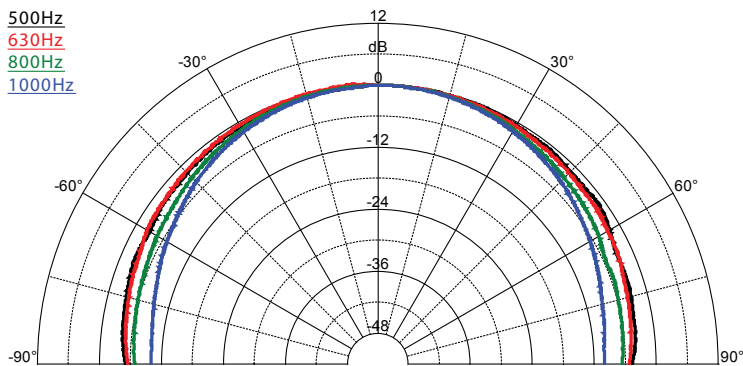
Transformer Tap: (1) Recessed screwdriver-adjustable rotary switch on baffle; used to select 70/100V tap or 8 Ohms (bypass)



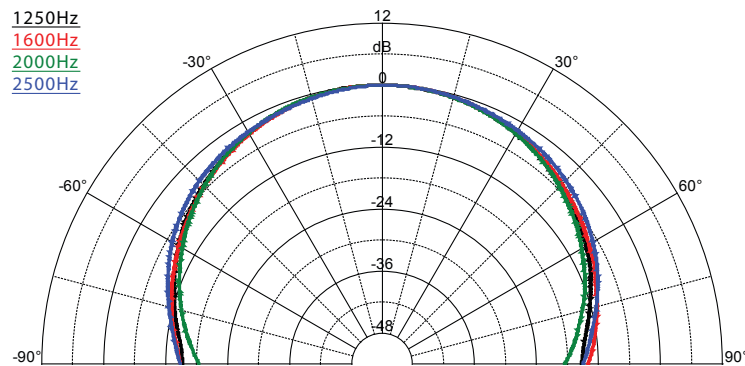
SAROS IC6T – Frequency Response



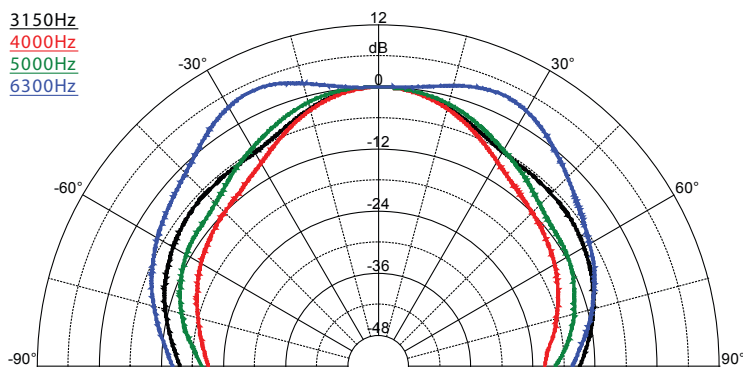
SAROS IC6T – Dispersion Pattern, 200 Hz - 400 Hz



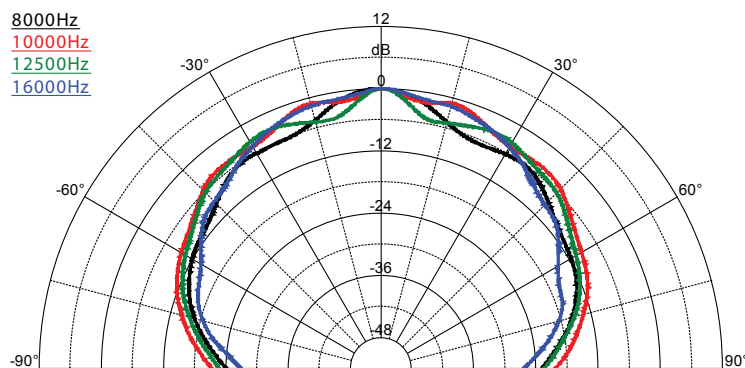
SAROS IC6T – Dispersion Pattern, 500 Hz - 1000 Hz



SAROS IC6T – Dispersion Pattern, 1250 Hz - 2500 Hz



SAROS IC6T – Dispersion Pattern, 3150 Hz - 6300 Hz



SAROS IC6T – Dispersion Pattern, 8000 Hz - 16000 Hz

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Environmental

Temperature: -2° to 120° F (-19° to 49° C)

Humidity: 5% to 95% RH (non-condensing)

Construction

Enclosure: Zinc-plated steel, plenum-rated, 1/2" or 3/4" 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, 9-7/8 in (250 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 Models

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

Available Accessories

SPKA-ST-15: Safety Tether/Tie Down Kits, 10 Sets

SPKA-NCTP-IC610: New-Construction Speaker Templates, Flat

SPKA-NCTP-IC611: New-Construction Speaker Templates, Collared

SPKA-GRILLE-IC610: Round Grilles (for replacement)

SAROS ICS8T: Saros® 8" In-Ceiling Subwoofer

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.

Crestron warrants to the original end purchaser that this Crestron Speaker Product, when purchased directly from Crestron or an authorized Crestron Dealer, will be free from defects in material and workmanship for the life of the product except for speaker grills and outdoor rated speakers, which are warranted for five (5) years. Crestron will at its option and expense either repair the defect or replace the Speaker Product with a new or remanufactured Product or a reasonable equivalent. In cases where a new model is substituted, a modification to the mounting surface may be required. If mounting surface modification is required, Crestron assumes no responsibility or liability for such modifications.

This product may be purchased from an authorized Crestron dealer. To find a dealer, please contact the Crestron sales representative for your area. A list of sales representatives is available online at www.crestron.com/salesreps or by calling 800-237-2041.

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