

# SI 26CT

TWO-WAY CEILING SPEAKERS WITH  
8" BACK CAN AND TRANSFORMER

*System INTEGRATOR*<sup>®</sup>  
S P E A K E R S E R I E S

- ▶ 1" (2.5 cm) pivoting ferrofluid-cooled, titanium-coated dome tweeter
- ▶ 6.5" (16.5 cm) long-throw woofer with tuned bass reflex port
- ▶ 8" (20.3 cm) deep metal back can for plenum environments
- ▶ 16 ohm direct, 70 volt, and 100 volt operation
- ▶ 5 position, behind-the-grille power selector
- ▶ 75 watts continuous pink noise, 150 watts continuous program
- ▶ Internal driver overload protection in direct 16 ohm position
- ▶ Locking arms for quick ceiling installation
- ▶ UL plenum rated
- ▶ Includes C-ring & V-rail kit
- ▶ 5 year parts and labor warranty



The Extron **System INTEGRATOR**<sup>®</sup> SI 26CT is a high power, two-way ceiling speaker featuring an 8" (20.3 cm) metal back can and a coaxial dual driver design with transformer. A long-throw woofer coupled to a pivoting dome tweeter delivers accurate voice and music reproduction, as well as wide angle sound distribution. This **System INTEGRATOR** speaker is ideally suited for overhead distributed audio applications for music and voice in conference rooms, lecture halls, auditoriums, and other high-ceiling venues requiring high power, plenum-rated ceiling speakers.



**Extron Electronics**  
INTERFACING, SWITCHING AND CONTROL

## DESCRIPTION

The Extron **System INTEGRATOR SI 26CT** is a high power, two-way ceiling speaker featuring a coaxial dual driver design, transformer, and an 8" (20.3 cm) metal back can. The SI 26CT is ideal for plenum installations in large classrooms, lecture halls, and auditoriums. A 6.5" (16.5 cm) long-throw woofer coupled to a 1" (2.5 cm) pivoting titanium-coated dome tweeter delivers accurate voice and music reproduction, as well as wide angle sound distribution. Special consideration is given to the crossover from the woofer to the tweeter, providing a smooth transition from low to mid frequencies. Voice reproduction from documentaries and live microphones is natural and clear sounding.

Music reproduction is enhanced with the exceptional low-frequency response of the long-throw woofer. Bass is optimized using a tuned port for improved low-frequency response. The pivoting dome tweeter allows aiming of the mid and high frequencies for best area coverage, and matches the high power capability of the woofer with enhanced midrange and high-frequency response for high ceiling applications. The overall frequency range for the SI 26CT is 70 Hz to 20 kHz.

This *System INTEGRATOR* speaker is ideally suited for overhead distributed audio applications for music and voice in conference rooms, lecture halls, auditoriums, and other high-ceiling venues requiring high power, plenum-rated ceiling speakers.

SI 26CT speakers are sold in pairs and include a 5 year parts and labor warranty.

The SI 26CT offers both direct 16 ohm or 70/100 volt operation with a behind-the-grille, five position power selector switch. In the 16 ohm direct mode, an input power limiting protection circuit is included for preventing woofer and tweeter damage due to overdriving.

For room balancing with 70/100 volt systems, the behind-the-grille power selector switch allows for 60, 30, 15, and 7.5 watt settings in 70 volt operation and 60, 30, and 15 watt settings for 100 volt operation.

The SI 26CT features four locking arms for a fast and secure hard ceiling installation. C-ring and V-rail mounting hardware for installation in a suspended T-bar ceiling is included. The SI 26CT features a white grille and bezel that can be painted to match the architectural elements of the environment.

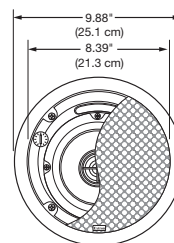
## KEY FEATURES

- ▶ 8" (20.3 cm) deep metal back can for plenum environments
- ▶ 1" (2.5 cm) pivoting ferrofluid-cooled, titanium-coated dome tweeter
- ▶ 6.5" (16.5 cm) long-throw woofer with a tuned bass reflex port
- ▶ 16 ohm direct or 70/100 volt operation on a 5 position, behind-the-grille selector:
  - ▶ - 16 ohm direct
  - ▶ - 70 volt: 60, 30, 15, and 7.5 watt selectable
  - ▶ - 100 volt: 60, 30, and 15 watt selectable
- ▶ Frequency range: 70 Hz to 20 kHz
- ▶ 75 watts continuous pink noise, 150 watts continuous program
- ▶ Internal driver overload protection in direct 16 ohm position
- ▶ 110° conical dispersion
- ▶ Locking arms for quick ceiling installation
- ▶ UL plenum rated
- ▶ Includes C-ring & V-rail kit
- ▶ Grille and bezel are available in white only and may be painted to match environment
- ▶ 5 year parts and labor warranty

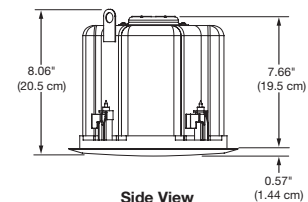
## SPECIFICATIONS

AUDIO/ACOUSTIC AND ELECTRICAL		
Speaker type	2-way ceiling speaker with metal back can	
Frequency range	70 Hz to 20 kHz, -10 dB, half space	
Power capacity	75 W continuous pink noise 150 W continuous program	
Nominal sensitivity	89 dB SPL, 1 W @ 1 m, 16 ohms direct, half space	
Nominal coverage angle	110° conical coverage	
Nominal impedance	16 ohms	
Crossover frequency	3.5 kHz	
Rotary switch taps	70V: 60 W, 30 W, 15 W, 7.5 W, 16 ohms direct 100 V: null, 60 W, 30 W, 15 W, 16 ohms direct	
Woofer	(1) 6.5" (165 mm) polypropylene cone with moisture resistant coating	
Tweeter	(1) 1.0" (25 mm) titanium dome	
Overload protection	Full range power limiter with the 16 ohm direct input only, protecting the tweeter, woofer, and crossover	
Input connector	(1) 5 mm captive screw connector, 4 pole for 1 input and 1 loop-through	
GENERAL		
Package	2 speakers (1 pair)	
Temperature/humidity	Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing Operating: +32 to +122 °F (0 to +50 °C) / 10% to 90%, noncondensing	
Mounting	Ceiling mountable with included hardware or optional mounting kit	
Enclosure type	Metal back can; high-impact, fire-resistant (UL94V-0) plastic baffle/rim	
Enclosure outer dimensions	8.3" H x 9.9" diameter (211 mm x 251 mm diameter) 7.5" (191 mm) from front of ceiling tile to back of rear enclosure	
Cutout dimensions	8.937" diameter (227 mm diameter)	
Product weight	Single: 8.0 lbs (3.6 kg)	
Shipping weight	Pair: 26 lbs (12 kg) with mounting kit package	
Regulatory compliance		
Safety	CE, UL 2043, UL1480	
EMI/EMC	CE, NFPA90, NFPA70A	
Warranty	5 years parts and labor	
<b>NOTE:</b> All nominal levels are at ±10%.		
<b>Model</b>	<b>Version Description</b>	<b>Part number</b>
SI 26CT	Ceiling - 8" Back Can, Pair	42-070-03

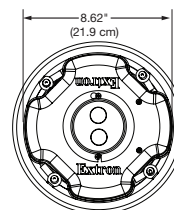
For complete specifications, please go to [www.extron.com](http://www.extron.com)  
Specifications are subject to change without notice.



Front View



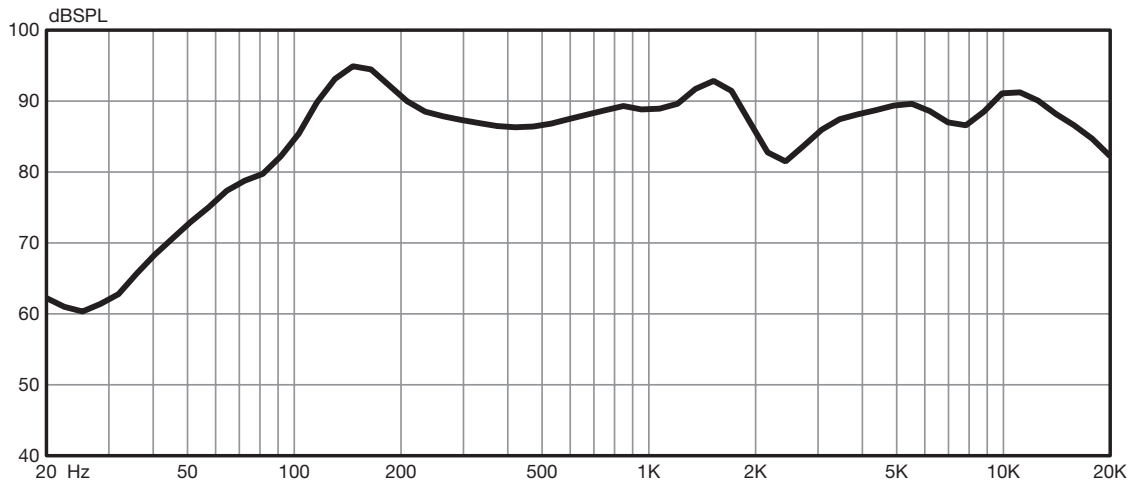
Side View



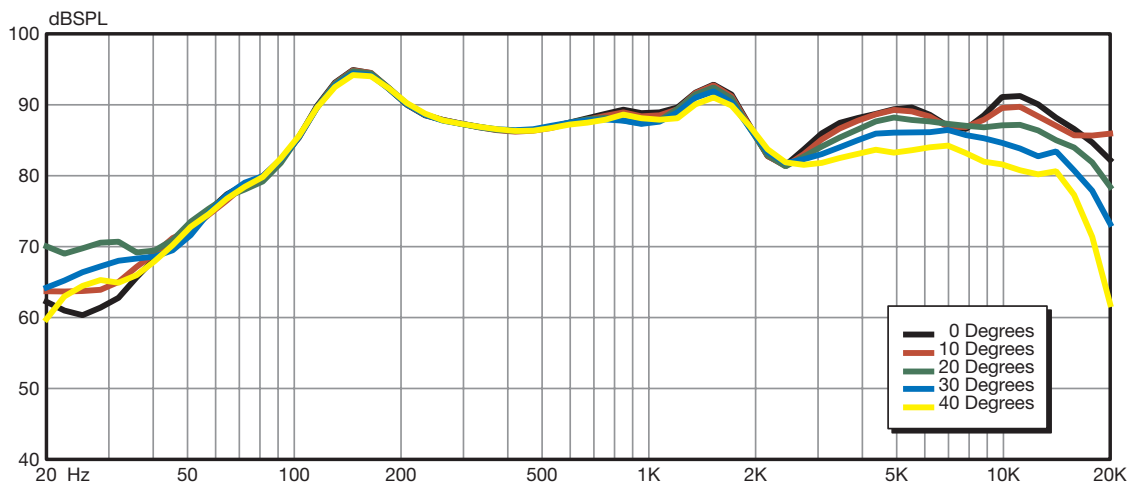
Rear View

# SI 26CT RESPONSE GRAPHS - FREQUENCY AND IMPEDANCE

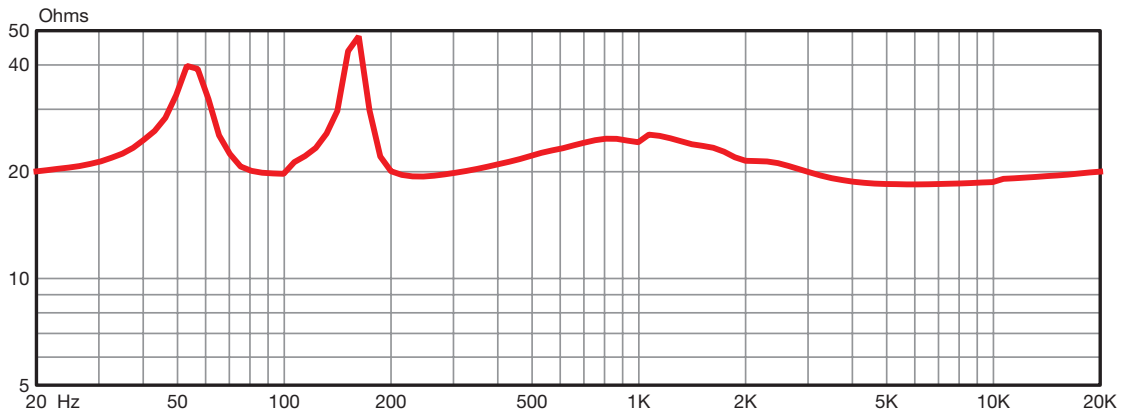
## SPL VS. FREQUENCY - 1 WATT @ 1 METER RESPONSE, HALF SPACE (2 $\pi$ )



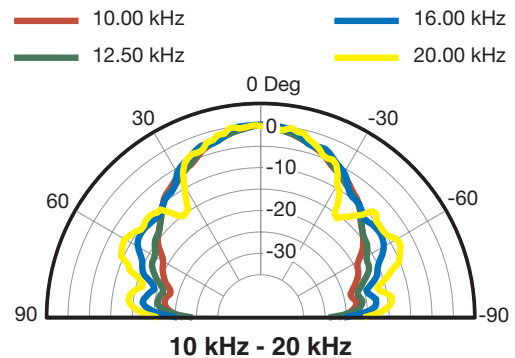
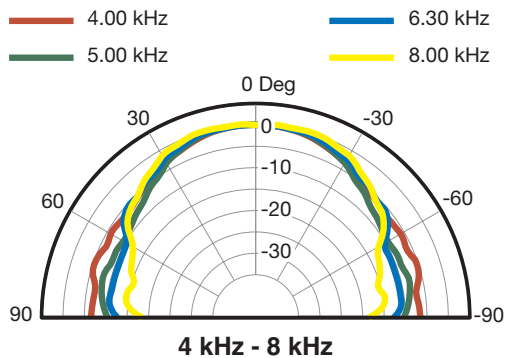
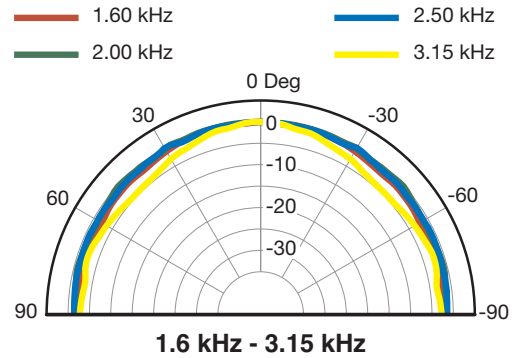
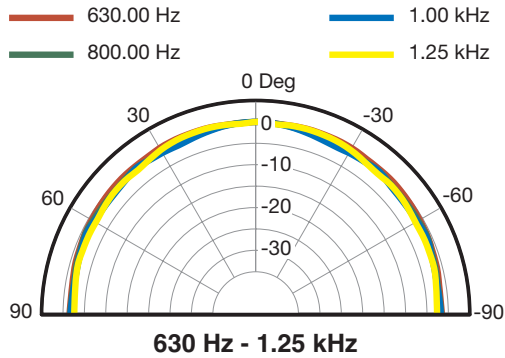
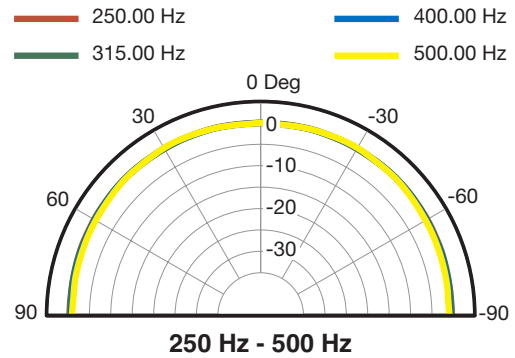
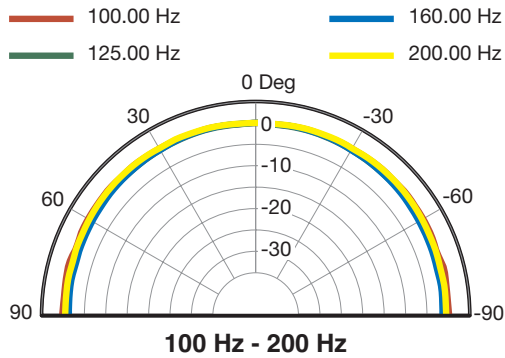
## SPL VS. FREQUENCY - HORIZONTAL OFF-AXIS RESPONSE, HALF SPACE (2 $\pi$ )



## IMPEDANCE VS. FREQUENCY



# SI 26CT POLAR GRAPHS - 1/3 OCTAVE, HORIZONTAL



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+31.33.453.4040

### ASIA

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