

# Specifications

## SF 3CT LP

### Audio/acoustic and electrical

Speaker type .....	Low profile ceiling speaker with composite back can
Frequency range .....	65 Hz to 20 kHz, -10 dB, half space (per IEC 60268-5)
Frequency response .....	265 Hz to 19 kHz, +/-3 dB, half space
Power capacity .....	16 W (rms) continuous pink noise (per IEC 60268-5) 32 W (rms) continuous program
Nominal sensitivity.....	83 dB SPL, 1 W, 1 m, 8 ohms direct, half space (per IEC 60268-5)
Nominal coverage angle.....	165° conical coverage (1 kHz to 4 kHz)
Nominal impedance .....	8 ohms
Rotary switch taps .....	70V: 16 W, 8 W, 4 W, 2 W, 1 W, 8 ohms direct 100 V: null, 16 W, 8 W, 4 W, 2 W, 8 ohms direct
Driver .....	(1) 3" (76 mm) paper cone
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: V-rails for 2' x 4' (600 mm x 1200 mm) ceiling tiles, and C-rings
Enclosure type .....	Plenum rated, fire-resistant (UL94V-0) composite back can/baffle; Magnetically attached powder-coated steel grille with plastic bezel.
Enclosure outer dimensions .....	4.4" H x 8.9" diameter (112 mm x 226 mm diameter) 4.0" H (102 mm H) from front of ceiling tile to top of enclosure
Cutout dimensions.....	7.6" diameter (191 mm diameter)
Product weight .....	3.6 lbs (1.6 kg) each
Regulatory compliance	
Safety .....	CE, UL 2043, UL1480, NFPA 90A, NFPA 70 UL Listed for use in plenum airspaces: UL 2043 listed for heat and smoke release, UL 1480 listed for commercial and professional audio systems
Environmental.....	RoHS, WEEE
Warranty .....	5 years parts and labor

**NOTE:** All nominal levels are at ±10%.

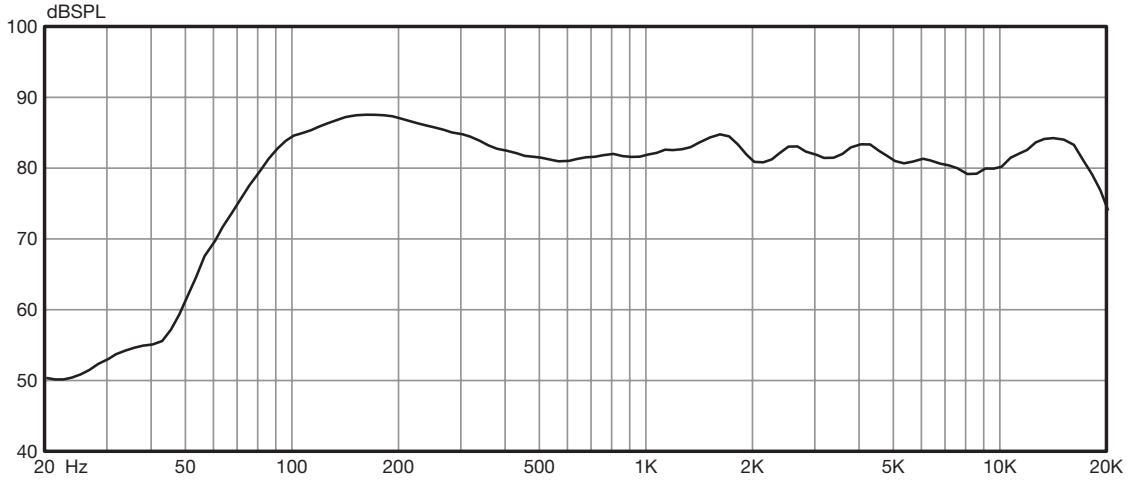
**NOTE:** Specifications are subject to change without notice.

**NOTE:** Shipping weights and dimensions are available at [www.extron.com](http://www.extron.com).

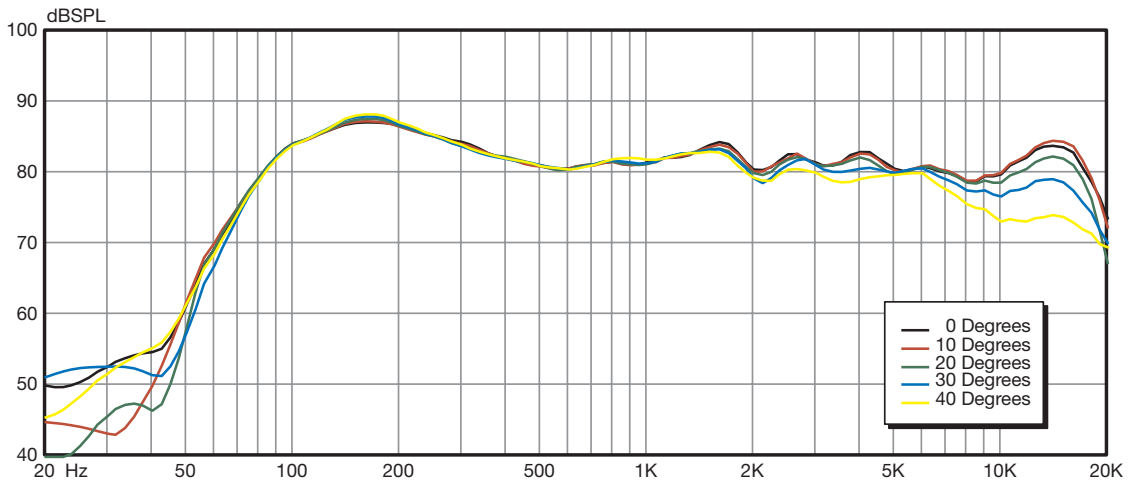
8.1-063016-D1

# SF 3CT LP RESPONSE GRAPHS – FREQUENCY AND IMPEDANCE

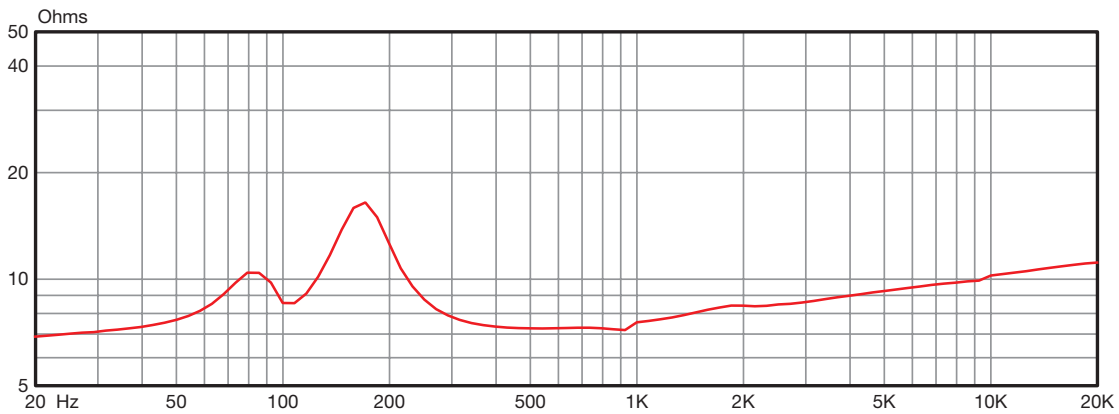
SPL vs. FREQUENCY – 1 WATT @ 1 METER RESPONSE, HALF SPACE (2 $\pi$ )



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

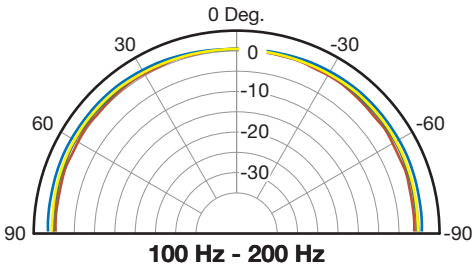


IMPEDANCE vs. FREQUENCY

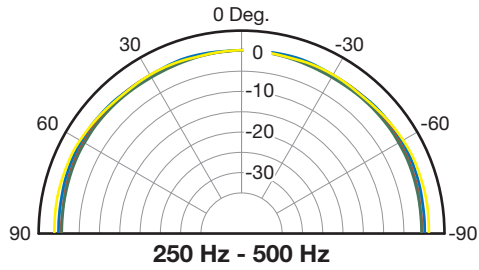


# SF 3CT LP POLAR GRAPHS – 1/3 OCTAVE, HORIZONTAL

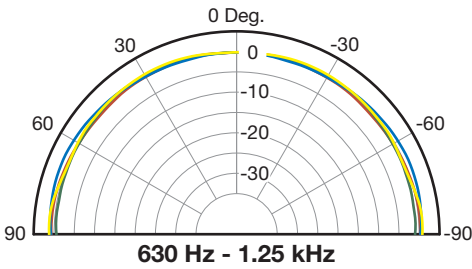
100.00 Hz      160.00 Hz  
 125.00 Hz      200.00 Hz



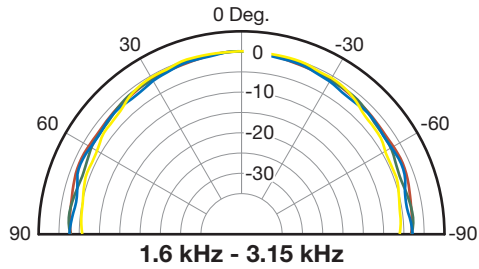
250.00 Hz      400.00 Hz  
 315.00 Hz      500.00 Hz



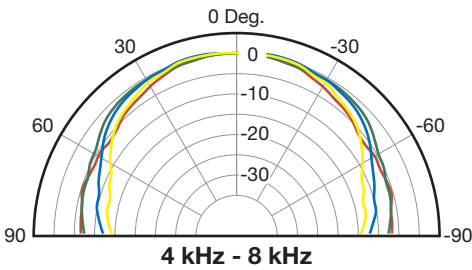
630.00 Hz      1.00 kHz  
 800.00 Hz      1.25 kHz



1.60 kHz      2.50 kHz  
 2.00 kHz      3.15 kHz



4.00 kHz      6.30 kHz  
 5.00 kHz      8.00 kHz



10.00 kHz      16.00 kHz  
 12.50 kHz      20.00 kHz

