

### CA 43T Column Array Loudspeaker

#### Audio/acoustic and electrical

|                                                |                                                                                      |
|------------------------------------------------|--------------------------------------------------------------------------------------|
| Speaker type .....                             | Columnar line array speaker in extruded aluminum enclosure                           |
| Frequency range .....                          | 125 Hz to 17.1 kHz, -10 dB, full space (per IEC 60268-5)                             |
| Frequency response .....                       | 315 Hz to 15.4 kHz -3 dB, full space                                                 |
| Power capacity .....                           | 60 W (rms) continuous pink noise (per IEC 60268-5)<br>120 W (rms) continuous program |
| Maximum SPL .....                              | 101 dB, 1 m, full space                                                              |
| Nominal sensitivity .....                      | 87 dB SPL, 1 W, 1 m, 6.5 ohms direct, full space (per IEC 60268-5)                   |
| Nominal coverage angle (-6 dB, 1/3 octave, 4m) |                                                                                      |
| 500 Hz .....                                   | 180° H x 134° V                                                                      |
| 1000 Hz .....                                  | 180° H x 72° V                                                                       |
| 2000 Hz .....                                  | 143° H x 35° V                                                                       |
| 4000 Hz .....                                  | 175° H x 19° V                                                                       |
| Nominal impedance .....                        | 6.5 ohms                                                                             |
| Rotary switch taps                             |                                                                                      |
| 70 V .....                                     | 32 W, 16 W, 8 W, 4 W, 6.5 ohms direct                                                |
| 100 V .....                                    | null, 32 W, 16 W, 8 W, 6.5 ohms direct                                               |
| Drivers .....                                  | (4) 3" (76 mm) paper cone                                                            |
| Input connector .....                          | (1) 5 mm captive screw connector, 4 pole for 1 input and 1 loop-through              |

#### General

|                                      |                                                                                            |
|--------------------------------------|--------------------------------------------------------------------------------------------|
| Package .....                        | 1 speaker                                                                                  |
| 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                                     |
| Ingress Protection (IP) Rating ..... | IP54                                                                                       |
| Mounting .....                       | SMK PT CA Pan-Tilt mount or SMK LP CA Low-Profile mount<br>(included with speaker)         |
| Adjustment range – SMK PT CA mount   |                                                                                            |
| Pan                                  |                                                                                            |
| At 15° tilt .....                    | +/- 67°, horizontal                                                                        |
| At 10° tilt .....                    | +/- 70°, horizontal                                                                        |
| At 5° tilt .....                     | +/- 72°, horizontal                                                                        |
| At 0° tilt .....                     | +/- 74°, horizontal                                                                        |
| Tilt .....                           | 0 to -15°, vertical                                                                        |
| Adjustment range – SMK LP CA mount   |                                                                                            |
| Tilt .....                           | +/- 5°, vertical                                                                           |
| Enclosure type .....                 | Powder-coated aluminum extrusion with zinc die-cast endcaps and powder-coated steel grille |
| Enclosure Finish                     |                                                                                            |
| Black speaker .....                  | Powder coat, RAL 9011 (chassis), RAL 9017 (endcaps & grille)                               |
| White speaker .....                  | Powder coat, RAL 9003 (chassis, endcaps, & grille)                                         |
| Enclosure outer dimensions .....     | 16.93" H x 5.0" D x 4.5" W<br>(430 mm x 127 mm x 114 mm)                                   |
| Product weight                       |                                                                                            |
| Speaker .....                        | 10.0 lbs (4.5 kg)                                                                          |
| SMK PT CA mount .....                | 4.5 lbs (2.0 kg)                                                                           |
| SMK LP CA mount .....                | 1.2 lbs (0.5 kg)                                                                           |

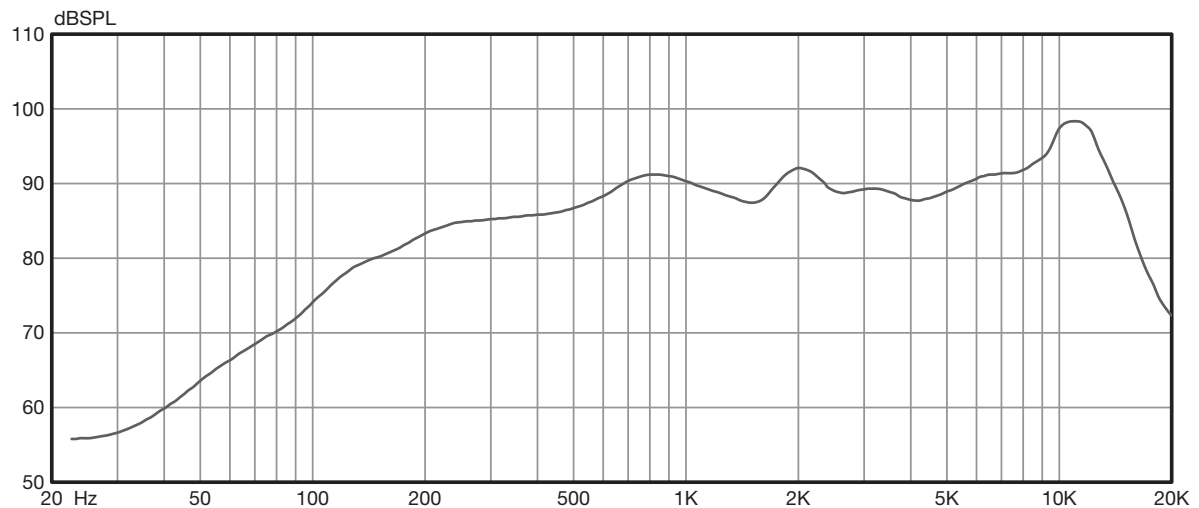
# Specifications • CA 43T (Continued)

|                             |                                                                                                                        |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------|
| Regulatory compliance ..... | CE, FCC Class B, ICES, RoHS, WEEE<br>Designed to Meet UL1480A and CSA C22.2 No. 205<br>Designed to Meet IEC/EN 62368-1 |
| Warranty .....              | 5 years parts and labor                                                                                                |

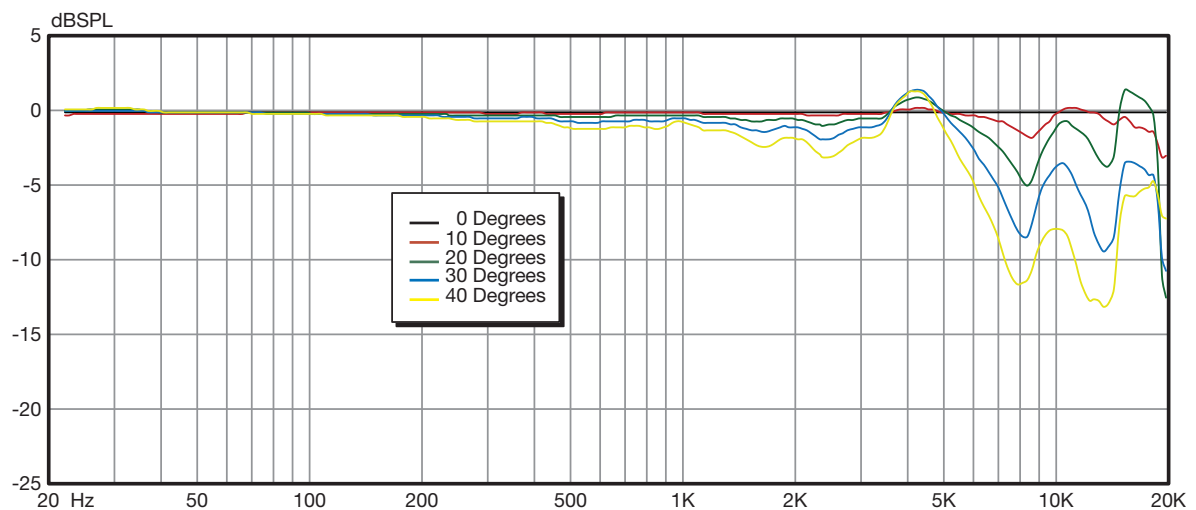
6340-D2

## CA 43T RESPONSE GRAPHS – FREQUENCY AND IMPEDANCE

### SPL vs. FREQUENCY – 1 WATT @ 1 METER RESPONSE, FULL SPACE (4 $\pi$ )



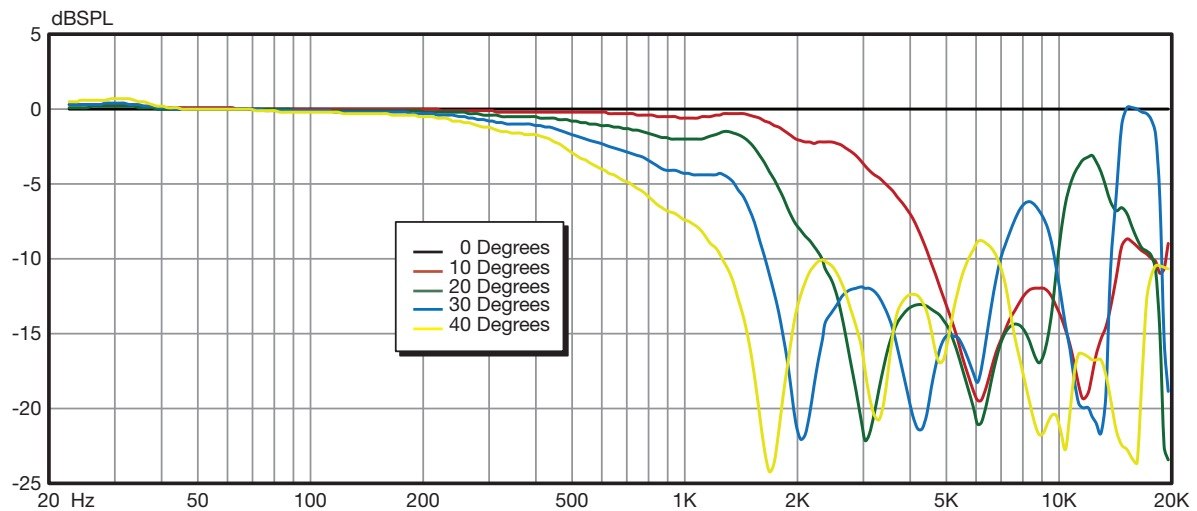
### HORIZONTAL OFF-AXIS FREQUENCY RESPONSE, 1/3 OCTAVE, NORMALIZED ON-AXIS



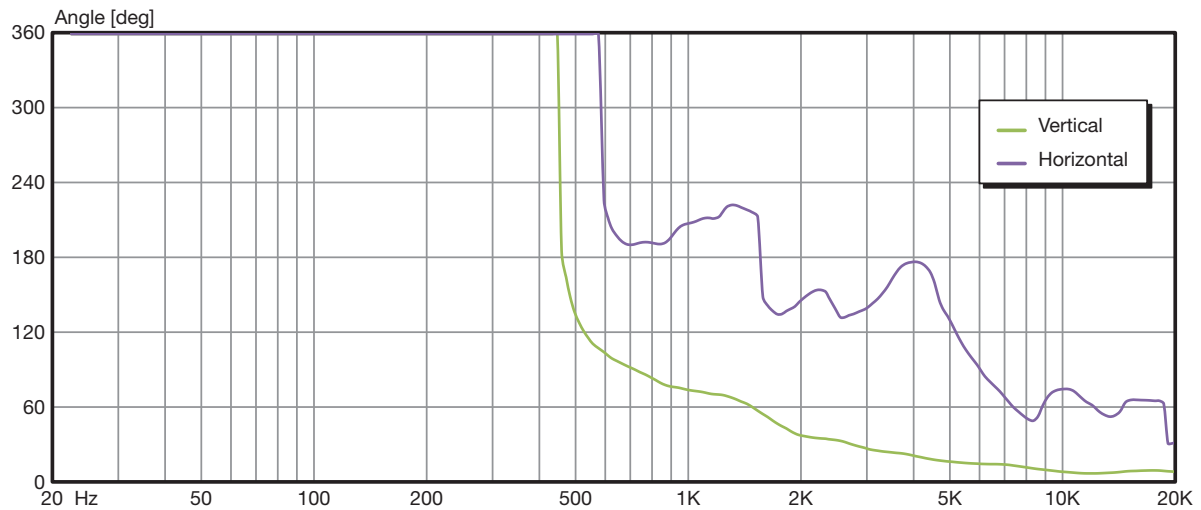
# Specifications • CA 43T (Continued)

## CA 43T RESPONSE GRAPHS – FREQUENCY AND IMPEDANCE

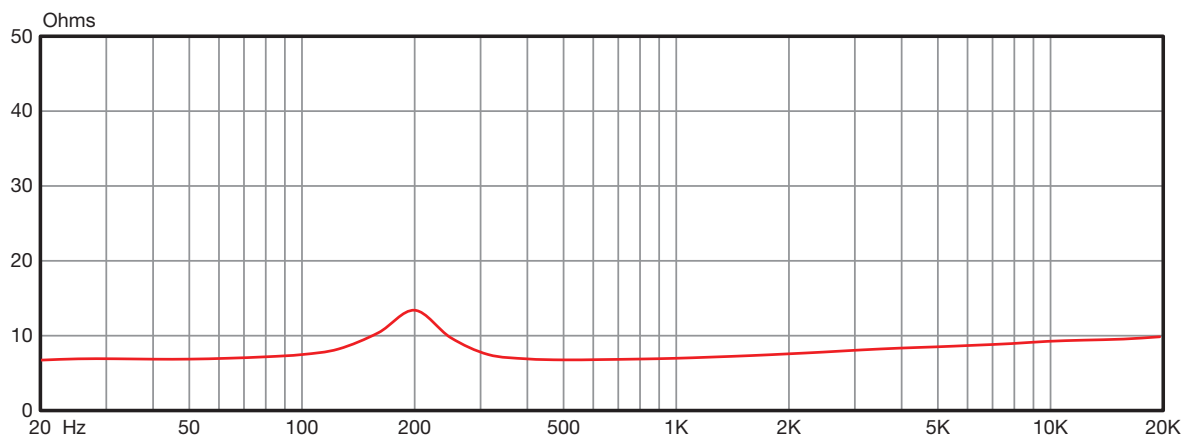
### VERTICAL OFF-AXIS FREQUENCY RESPONSE, 1/3 OCTAVE, NORMALIZED ON-AXIS



### BEAM WIDTH vs. FREQUENCY – COMBINED HORIZONTAL and VERTICAL, -6 dB, 1/3 OCTAVE, 4 m



### IMPEDANCE vs. FREQUENCY



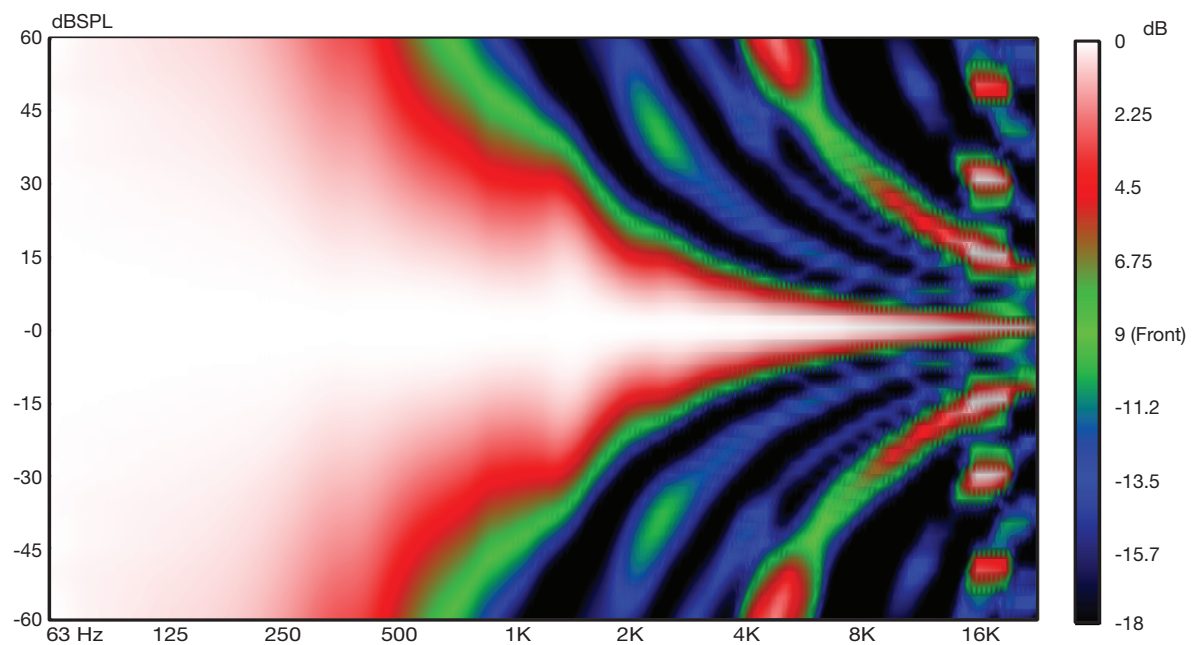
# Specifications • CA 43T (Continued)

## CA 43T RESPONSE GRAPHS – FREQUENCY AND IMPEDANCE

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VERTICAL MAP, 1/3 OCTAVE, 4 m

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# Specifications • CA 43T (Continued)

## CA 43T POLAR GRAPHS – 1/3 OCTAVE, HORIZONTAL & VERTICAL

