

Specifications

SM 28, SM 28T

Audio/acoustic and electrical

Speaker type	2-way, full range, indoor surface mount speaker
Frequency range	59 Hz to 22 kHz, -10 dB, full space (per IEC 60268-5)
Frequency response	67 Hz to 17.5 kHz, +/- 3 dB full space
Power capacity	90 W (rms) continuous pink noise (per IEC 60268-5) 180 W (rms) continuous program
Rated maximum input voltage (MIV)	25.1 V (78.9 W at 8 ohms) per AES2-2012)
Maximum SPL	108 dB, 1 m (based on MIV) 109 dB, 1 m (linear)
Nominal sensitivity.....	87 dB SPL, 1 W, 1 m, full space (per IEC 60268-5, 60 Hz to 20 kHz)
Nominal coverage angles	Horizontal: 105° (1 kHz - 4 kHz, weighted 2 kHz - 4 kHz) Vertical: 60° (1 kHz - 4 kHz, weighted 2 kHz - 4 kHz)
Nominal impedance	8 ohms
Crossover frequency	2.0 kHz
Rotary switch taps (SM 28T only)...	70 V: 64 W, 32 W, 16 W, 8 W, Off, 8 ohms direct 100 V: null, 64 W, 32 W, 16 W, Off, 8 ohms direct
Woofer	(1) 8" (203.2 mm) polypropylene cone
Tweeter	(1) 1.1" (28 mm) silk dome
Overload protection	Full range power limiter protecting the tweeter, woofer, and crossover
Input connectors	
Speaker.....	2 recessed pins (mate to receptacles on mounting plates)
Mounting plate	(1) Euro-style captive screw terminal block, 4 pole

General

Package	2 speakers (1 pair) with mounting kit package
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	Wall mountable with included mounting plates
0° mounting plate.....	Fixed 0°
10° mounting adapter.....	Fixed 10° up, down, left, or right, based on orientation of adapter
Yoke mount (optional).....	Up to 90° upward/downward or left/right, in 10° steps based on orientation of yoke
Enclosure type	Plastic, trapezoidal, with molded grille and bass reflex ports
Enclosure outer dimensions	
Speaker only	16.50" H x 11.50" W x 7.28" D (41.91 cm H x 29.21 cm W x 18.49 cm D)
With 0° mounting plate	16.50" H x 11.50" W x 7.80" D (41.91 cm H x 29.21 cm W x 19.81 cm D)
With 0° mounting plate attached to 10° mounting adapter.....	Orientation: vertical, angled 10° down 16.78" H x 11.50" W x 10.16" D (42.63 cm H x 29.21 cm W x 25.81 cm D)

Product weight

SM 28

Speaker only..... 10.1 lbs (4.6 kg) each

With 0° mounting plate 10.9 lbs (5.0 kg) each

SM 28T

Speaker only..... 12.0 lbs (5.4 kg) each

With 0° mounting plate 12.8 lbs (5.8 kg) each

Shipping weight

SM 28 Pair: 30 lbs (14 kg) with mounting kit package

SM 28T Pair: 33 lbs (15 kg) with mounting kit package

Regulatory compliance

Safety/EMI..... CE

Environmental..... Complies with the appropriate requirements of RoHS and WEEE.

Warranty 5 years parts and labor

NOTE: All nominal levels are at $\pm 10\%$.

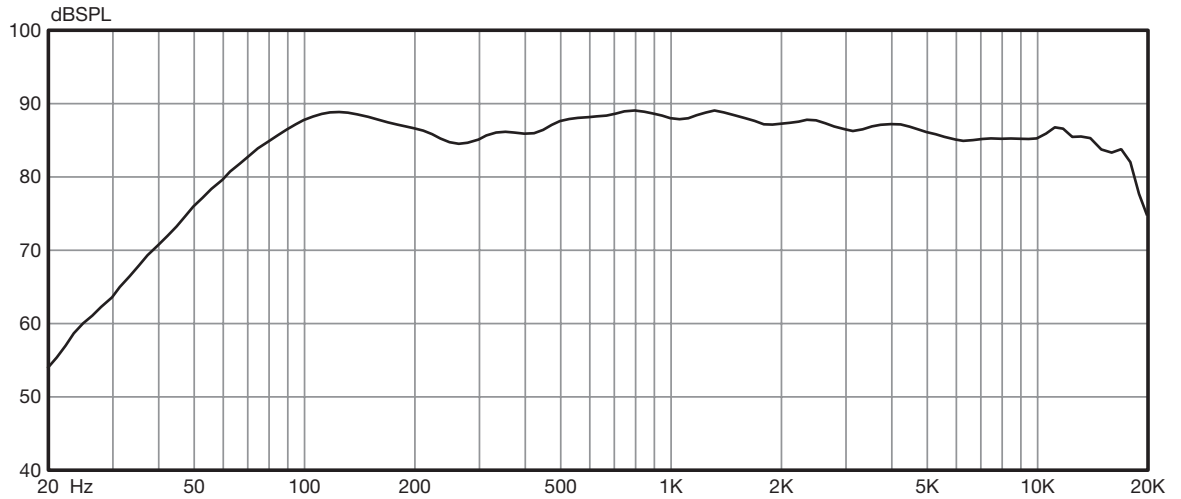
NOTE: Specifications are subject to change without notice.

NOTE: Shipping weights and dimensions are available at www.extron.com.

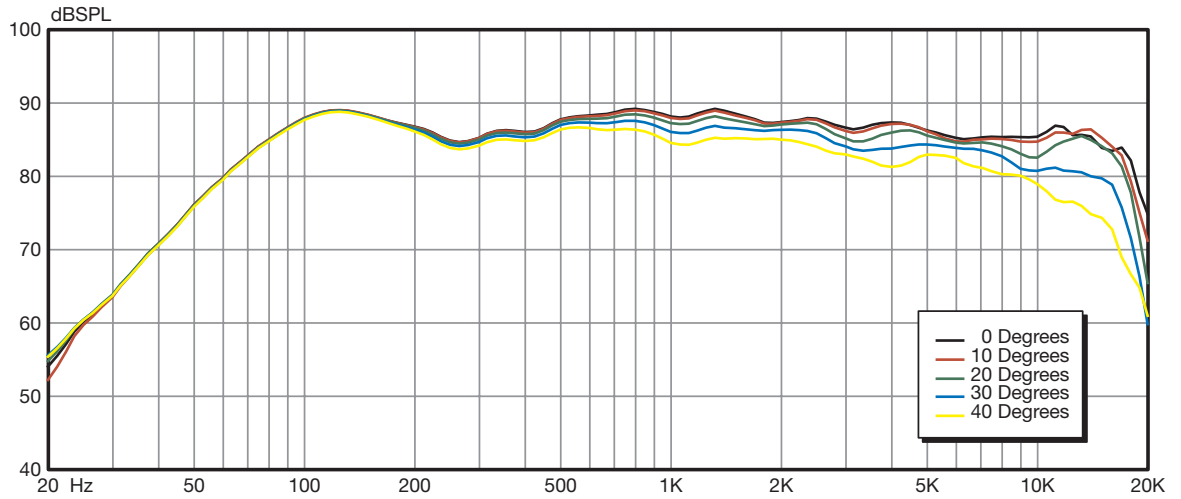
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SM 28 RESPONSE GRAPHS – FREQUENCY AND IMPEDANCE

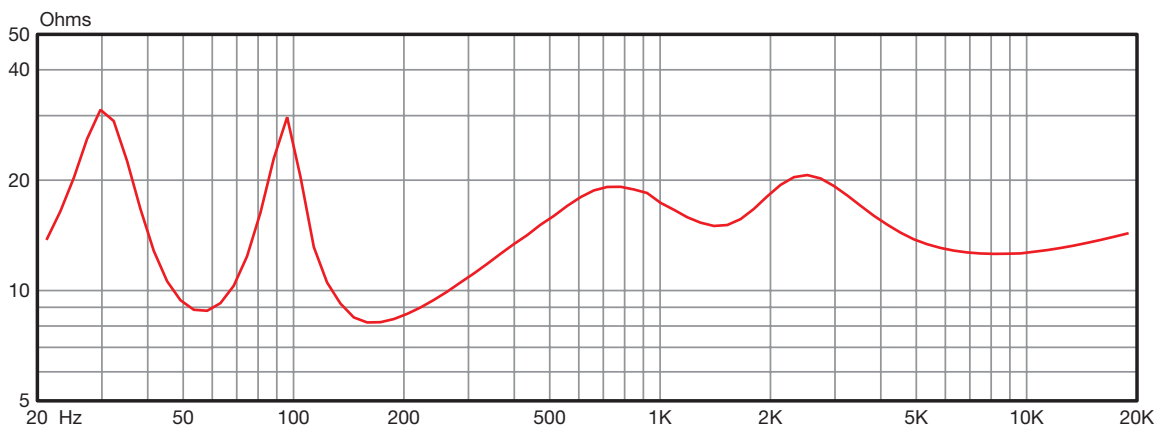
SPL vs. FREQUENCY – 1 WATT @ 1 METER RESPONSE, FULL SPACE (4 π)



SPL vs. FREQUENCY – HORIZONTAL OFF-AXIS RESPONSE, FULL SPACE (4 π)



IMPEDANCE vs. FREQUENCY



SM 28 POLAR GRAPHS – 1/3 OCTAVE, HORIZONTAL

