

# Specifications

## SM 3

### Audio/acoustic and electrical

Speaker type .....	1-way, full range, indoor surface mount speaker
Frequency range .....	100 Hz to 20 kHz, -10 dB, full space
Power capacity .....	15 W (rms) continuous pink noise (per IEC 60268-5) 30 W (rms) continuous program
Nominal sensitivity.....	83 dB SPL, 1 W, 1 m, full space
Nominal coverage angles.....	Horizontal: 120° (1 kHz - 4 kHz, weighted 2 kHz - 4kHz) Vertical: 130° (1 kHz - 4 kHz, weighted 2 kHz - 4kHz)
Nominal impedance .....	8 ohms
Driver .....	(1) 3" (76.2 mm) paper cone
Input connectors	
Speaker.....	2 recessed pins
Mounting plate .....	(1) 10 mm Euro-style captive screw terminal block, 2 pole

### General

Package .....	2 speakers (1 pair) with mounting kit
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° and 10°)

**NOTE:** Speaker mounting angle is fixed at 0° or 10° from vertical based on the mounting plate used.

Enclosure type .....	Plastic, trapezoidal, with molded grille and front bass reflex port
Enclosure outer dimensions	
With 0° mounting plate.....	8.75" H x 5.75" W x 4.0" D (22.2 cm H x 14.6 cm W x 10.2 cm D)
With 10° mounting plate.....	8.9" H x 5.75" W x 5.0" D (22.6 cm H x 14.6 cm W x 12.7 cm D)
Product weight .....	Single: 2.0 lbs (0.9 kg)
Regulatory compliance	
Safety.....	CE
Environmental.....	Complies with the appropriate requirements of RoHS, WEEE.
Warranty .....	5 years parts and labor

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

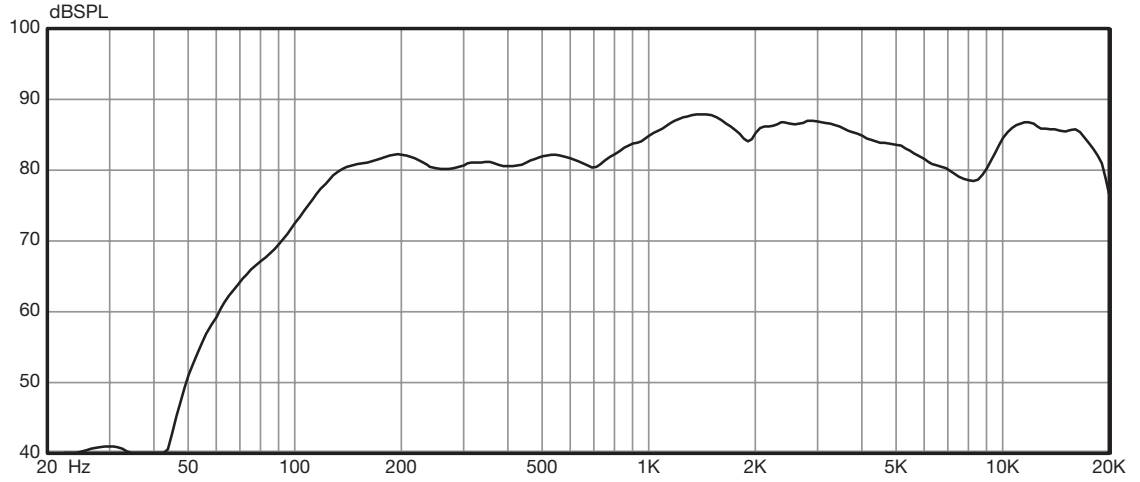
**NOTE:** Specifications are subject to change without notice.

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

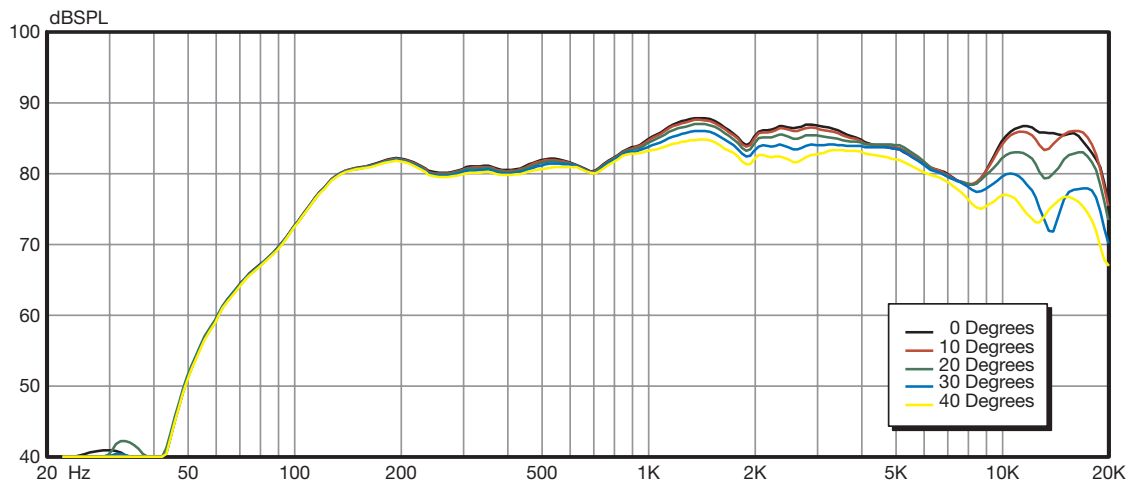
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## SM 3 RESPONSE GRAPHS – FREQUENCY AND IMPEDANCE

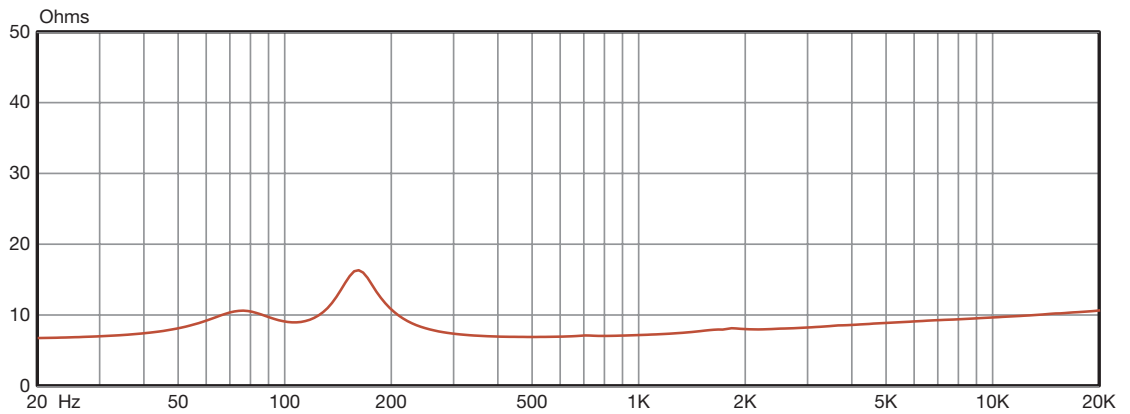
SPL vs. FREQUENCY – 1 WATT @ 1 METER RESPONSE, FULL SPACE (4 $\pi$ )



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



IMPEDANCE vs. FREQUENCY



## SM 3 POLAR GRAPHS – 1/3 OCTAVE, HORIZONTAL

