



STRATEGY SERIES™ SURFACE MOUNT LOUDSPEAKERS

SM52T-B
SM52T-W



SM52T-B



SM52T-W

SPECIFICATIONS

MODEL:	SM52T(-B)(-W)
POWER RATING (RMS):	100 W (Transformer Limited)
FREQUENCY RESPONSE (± 3dB):	85Hz to 20kHz
SENSITIVITY (1W/1M):	90dB
WOOFER	SIZE: 5¼"
	CONE: Polypropylene
	SURROUND: Rubber
	MAGNET: 20 oz
TWEETER	SIZE: 1" (25mm)
	DIAPHRAM MATERIAL: Mylar
	MAGNET: 1.39 oz
CROSSOVER FREQUENCY:	5000 Hz
CROSSOVER TYPE:	1st Order Low Pass, 2nd Order High Pass
SELECTOR – 70.7 Volt Taps:	.94, 1.9, 3.7, 7.5, 15, 30 Watts
DIMENSIONS:	10⅞"H x 6⅞"W x 5⅞"D 28.5cm x 17.5cm x 14.85cm
WEIGHT (WITH BRACKET):	8.4 lbs. (3.2kg)

Model SM52 (8 Ohm) Version also available, see SL1-1191

FEATURES:

- Compact, 2-way loudspeaker systems for exceptional performance in music and sound reinforcement systems
- Weather-resistant construction for year-round indoor or outdoor use: UV-resistant-talc-impregnated-polypropylene injection molded enclosure, powder coated aluminum grilles and all brass hardware inserts
- Conforms to 100HR salt spray test per ASTM B117
- Color matched heavy-duty zinc chromate plated and powder coated "C" bracket (included)
- Highly efficient 5¼" polypropylene woofer
- 1" FerroFluid™ cooled dome tweeter
- Atlas Sound TRX WAVEGUIDE™ – A constant directivity style high frequency wave guide system provides accurate, even high frequency coverage
- Atlas Sound POLYGUARD™ high frequency circuit diverts damaging transient signals to protect the tweeter
- Screwdriver adjustable 30-Watt 70.7V/100V transformer for distributed sound applications
- All ¼"-20 hardware inserts allow easy integration of "off-the-shelf" security hardware
- OMNIMOUNT™ 25 series compatible
- Available in black or white
- Five-year warranty

APPLICATIONS:

Use surface-mount Atlas Sound SM52T Series loudspeaker systems for commercial, professional and residential applications or where high-fidelity sound and weather-resistance is desired. Full-range frequency response makes these systems ideal for indoor and outdoor installation, in monaural and stereo foreground or background music systems, and for applications in boutiques/shops, restaurants/cafes, leisure, recreation/sports centers and houses of worship. Multi-position, C-shaped mounting bracket and rugged construction provide optimum installation flexibility and assurance of long-term service.

GENERAL DESCRIPTION:

Environment-resistant SM Series loudspeaker systems offer quality sound reproduction and contemporary styling in a compact enclosure. System components consist of a highly efficient woofer section and FerroFluid cooled, titanium dome high frequency device. Vocal and musical clarity is optimized by the mathematically conceived, advanced design of the Atlas Sound TRX Control WaveGuide high frequency director. This design provides smooth, even sound coverage (90°H x 90°V). The high frequency section is symmetrical, for equal coverage in both vertical and horizontal cabinet mounting positions. High frequency component protection is provided by the Atlas Sound PolyGuard protection circuit. The SM52T includes an internally mounted 30 Watt 70.7V/100V line matching transformer with screwdriver adjustable tap selection for use in distributed sound applications.

To withstand the harshest environments, the new Strategy Series SM52T surface mount loudspeakers are constructed of weather resistant materials: UV-resistant, talc impregnated, polypropylene injection molded cabinets; polypropylene woofer cones; powder coated aluminum grilles and all brass hardware. The Strategy Series speaker systems include a versatile, yet simple, C-bracket designed to provide easy vertical or horizontal installation on just about any surface.

Specifications subject to change without notice



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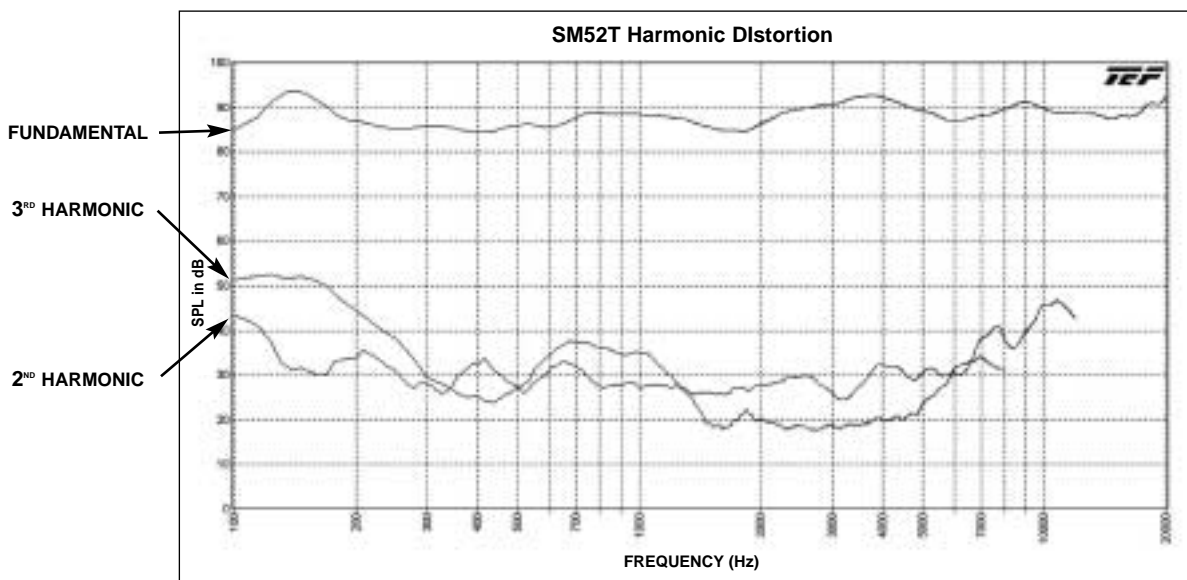
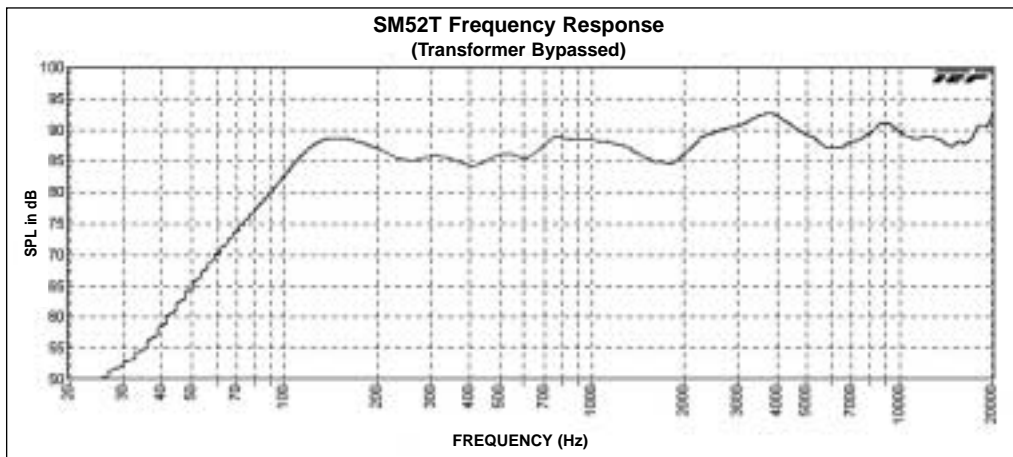
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Care should be taken to ensure that the chosen fixing point is strong enough to support the SM52T. Care should also be taken to ensure that the SM52T is not exposed to direct precipitation. A 3/8"-27 threaded hole is provided on the C-bracket to allow the SM52T series speaker to be mounted on any Atlas Sound microphone stand for near-field live sound applications. 2 3/8" OC brass inserts are also provided on the rear of the SM52T to accommodate OMNIMOUNT™ 25 series brackets. All inserts for mounting knobs are standard 1/4"-20 to allow easy substitution of off-the-shelf vandal-proof torx head or "one-way" hardware. Input connectors include a two pole barrier strip with wire capture "caps" capable of accepting up to (2) #14AWG cable. .94, 1.9, 3.7, 7.5, 15, and 30 watt taps are screwdriver selectable via a sealed switch located near the input section on the rear of the cabinet. A tongue-in-groove cover with rubber wire exit grommet is provided to protect the input connections and transformer switch assembly from moisture. Systems are available in black or white and can be painted to accommodate any architectural considerations.

ARCHITECT AND ENGINEER SPECIFICATIONS

The indoor/outdoor mini-loudspeaker system shall be Atlas Sound Model _____ (SM52T-B or SM52T-W) or approved equal. Assemblies shall consist of 2-way, woofer and tweeter, within

environment-resistant housings. Enclosure shall be constructed of paintable UV-resistant, talc impregnated, polypropylene, injection molded plastic finished in black (SM52T-B) or white (SM52T-W). Each unit shall include a stamped, powder coated, aluminum grille and removable C-shaped mounting bracket. All hardware inserts shall be brass and threaded 1/4"-20. The 100-Watt RMS system shall have a 5 1/4" (133mm) woofer, constructed of reinforced polypropylene, and a 1" (25mm) FerroFluid tweeter. The dividing network crossover frequency shall be 5000 Hz. The dividing network shall include protection circuits for the high-frequency component. Each unit shall include an internally mounted 30 watt 70.7V/100V line matching transformer for use in distributed sound applications wattage taps shall be screwdriver selectable via a sealed switch located near the input section. Wattage taps shall be .94, 1.9, 3.7, 7.5, 15, 30 @ 70.7V. The loudspeaker system shall meet the following performance criteria: Power handling, 100 Watts RMS (Transformer limited); Frequency response, ±3dB from 85 Hz to 20 kHz; Pressure sensitivity, 90dB SPL at one watt, 100 Hz to 10 kHz measured at a distance of one meter on axis. Input connectors shall include a two-pole barrier strip capable of accepting up to (2) #14AWG cable. A tongue-in-groove cover with rubber wire exit grommet shall be provided to protect the input connectors from corrosion. The unit shall be 10 1/8" (25.8cm) high, 6 7/8" (17.5cm) wide, 5 1/2" (14.85cm) deep.



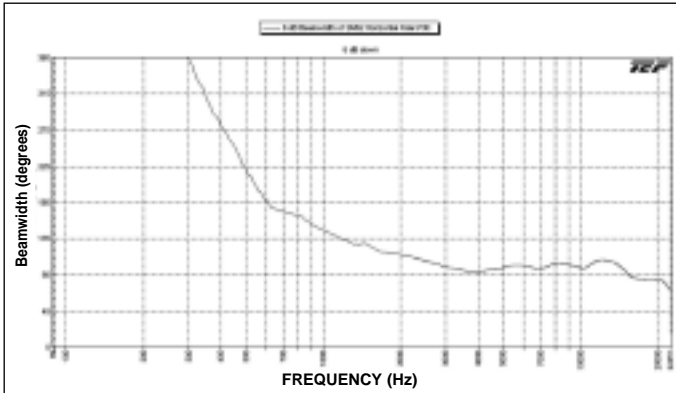
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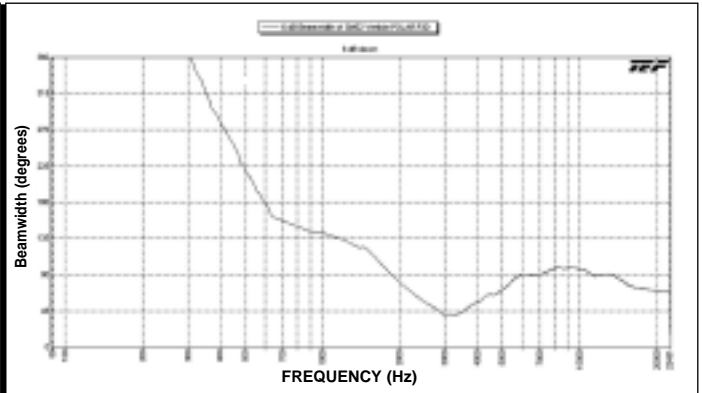
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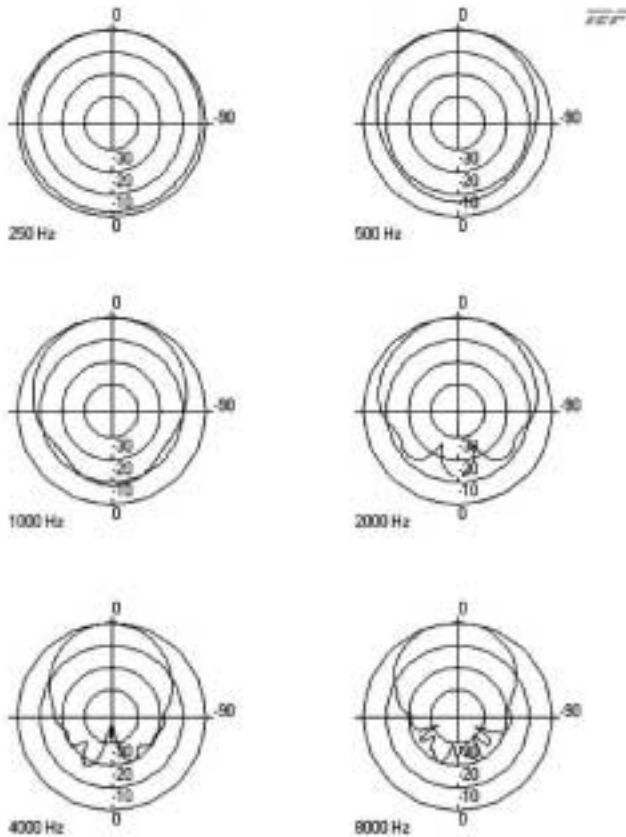
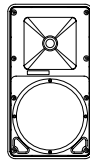
SM52T Horizontal Beamwidth vs. Frequency



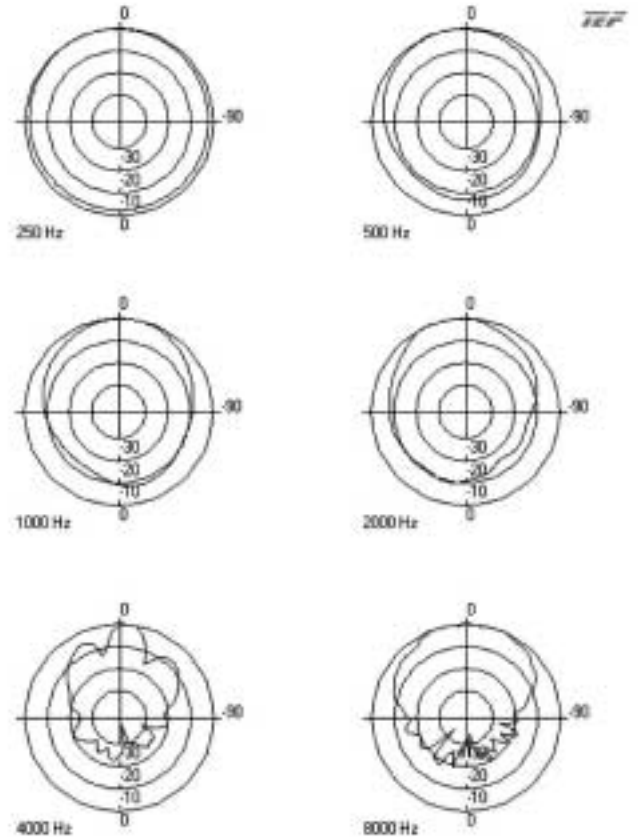
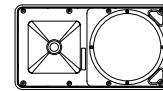
SM52T Vertical Beamwidth vs. Frequency



SM52T Horizontal Polar



SM52T Vertical Polar



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