



STRATEGY SERIES™ SURFACE MOUNT LOUDSPEAKERS

SM82T-B
SM82T-W

One



SM82T-B



SM82T-W

SPECIFICATIONS

MODEL:	SM82T(-B,-W)
POWER RATING (RMS):	150 W (Transformer Limited)
FREQUENCY RESPONSE (±3dB):	65Hz to 20kHz
SENSITIVITY (1W/1M):	92dB
WOOFER	SIZE: 8"
	CONE: HYCONE Treated Paper
	SURROUND: Treated Cloth
	MAGNET: 30 oz
COMPRESSION DRIVER	
	SIZE: 1" (25mm)
	DIAPHRAM MATERIAL: Titanium
	MAGNET: 13.32 oz
CROSSOVER FREQUENCY:	2.5 kHz
CROSSOVER TYPE:	1st Order Low Pass, 2nd Order High Pass
SELECTOR: 70.7 Volt Taps:	1.9, 3.8, 7.5, 15, 30, 60 Watts
DIMENSIONS:	16½"H x 9½"W x 8¾"D 41.9cm x 23.0cm x 21.49cm
WEIGHT (WITH BRACKET):	18.08 lbs. (8.2kg)

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 8" HYCONE™ treated woofer
- 1" exit titanium high frequency compression driver
- 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 60 Watt 70.7V/100V transformer for distributed sound applications
- All ½"-20 hardware inserts allow easy integration of "off-the-shelf" security hardware
- OMNIMOUNT™ 75 series compatible
- Available in black or white
- Five-year warranty

APPLICATIONS:

Use surface-mount Atlas Sound SM82T 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 1" exit compression driver 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 (65°H x 65°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 SM82T includes an internally mounted 60 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 SM82T surface mount loudspeakers are constructed of weather resistant materials: UV-resistant, talc impregnated, polypropylene injection molded cabinets; HYCONE treated 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.

Model SM82 (8 Ohm) Version also available, see SL1-1193

Specifications subject to change without notice



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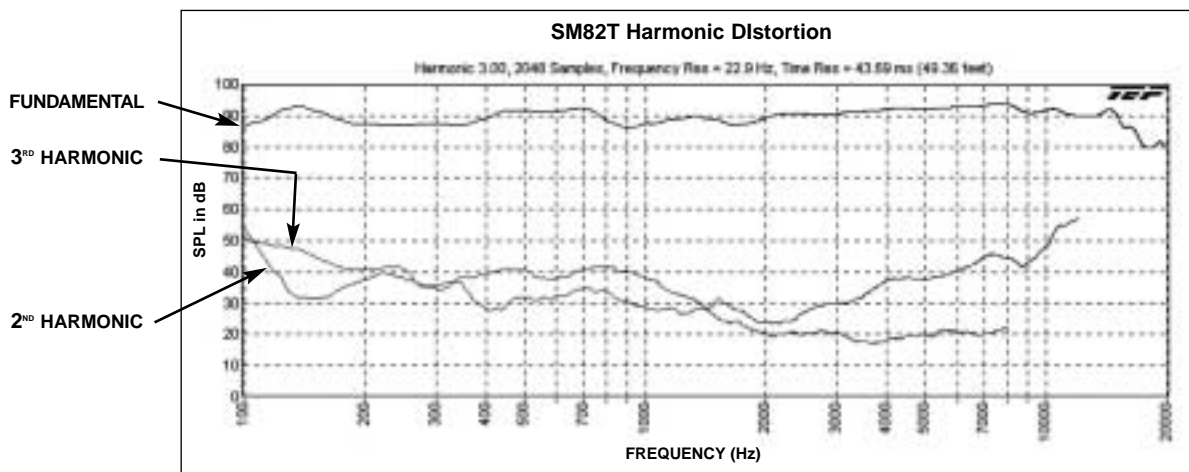
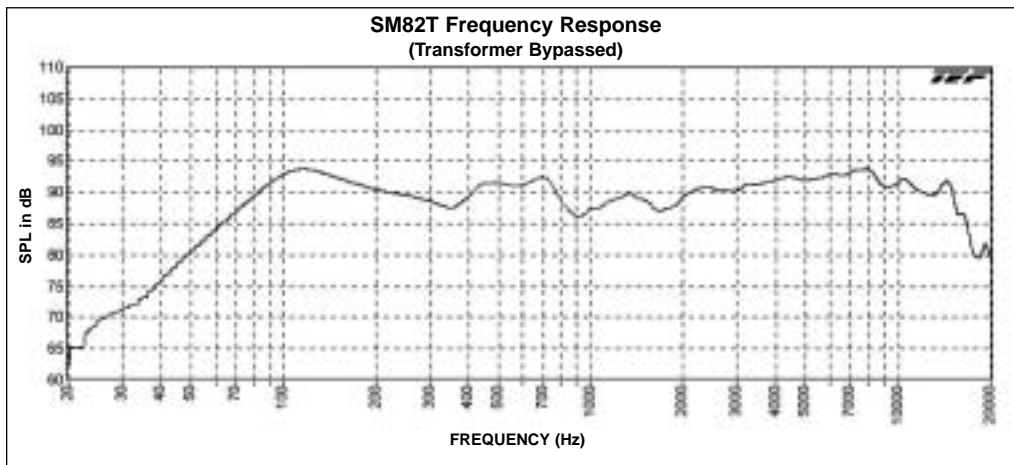
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Care should be taken to ensure that the chosen fixing point is strong enough to support the SM82T. Care should also be taken to ensure that the SM82T is not exposed to direct precipitation. A 1/8"-27 threaded hole is provided on the C-bracket to allow the SM82T series speaker to be mounted on any Atlas Sound microphone stand for near-field live sound applications. Four brass inserts are also provided on the bottom of the SM82T to accommodate OMNIMOUNT™ 75 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. 1.9, 3.8, 7.5, 15, 30, and 60 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. 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 _____ (SM82T-B or SM82T-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 (SM82T-B) or white (SM82T-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 150 Watt RMS system shall have a 8" (133mm) HYCONE™ treated woofer, and a 1" exit compression driver frequency device. The dividing network crossover frequency shall be 2.5 kHz. The dividing network shall include protection circuits for the high-frequency component. Each unit shall include an internally mounted 60 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 1.9, 3.8, 7.5, 15, 30, and 60 Watts @ 70.7V. The loudspeaker system shall meet the following performance criteria: Power handling, 150 Watts RMS (Transformer limited); Frequency response, ±3dB from 65 Hz to 20 kHz; Pressure sensitivity, 92dB 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 loudspeaker system shall exhibit no performance or cosmetic degradation after a 100 hour salt spray test per ASTM B117. The unit shall be 16 1/2" high x 9 1/8" wide x 8 5/8" deep.



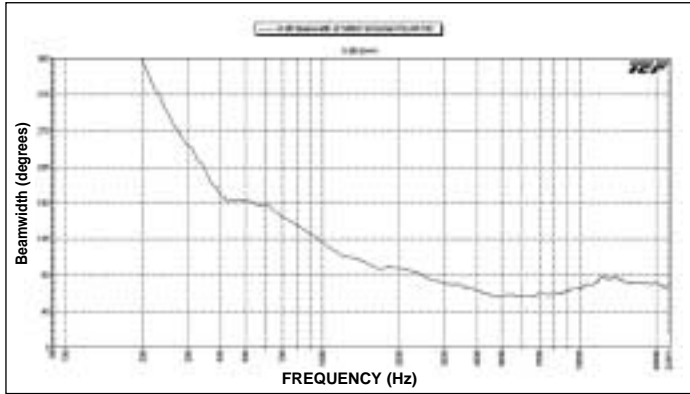
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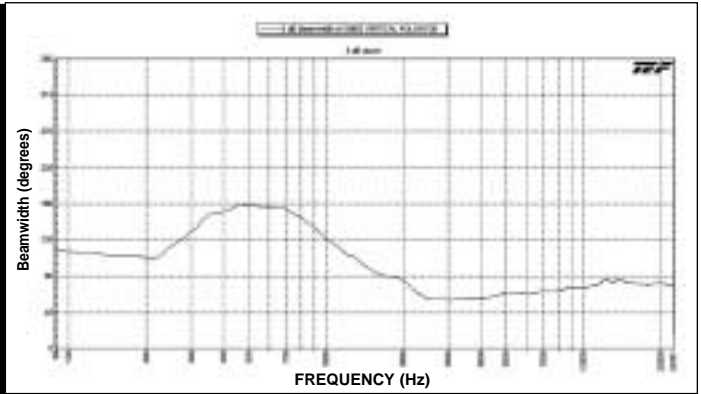
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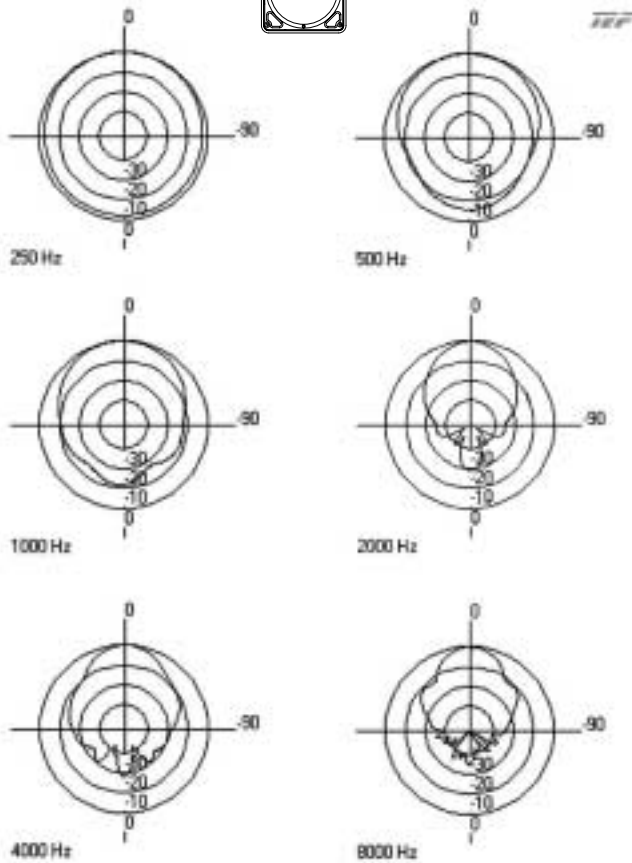
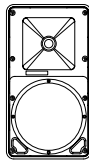
SM82T Horizontal Beamwidth vs. Frequency



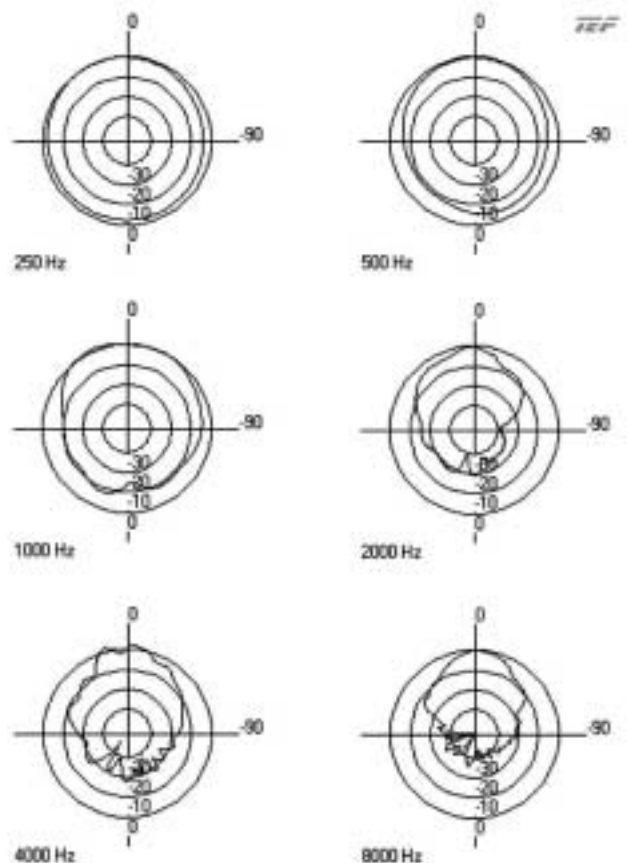
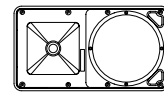
SM82T Vertical Beamwidth vs. Frequency



SM82T Horizontal Polar



SM82T Vertical Polar



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