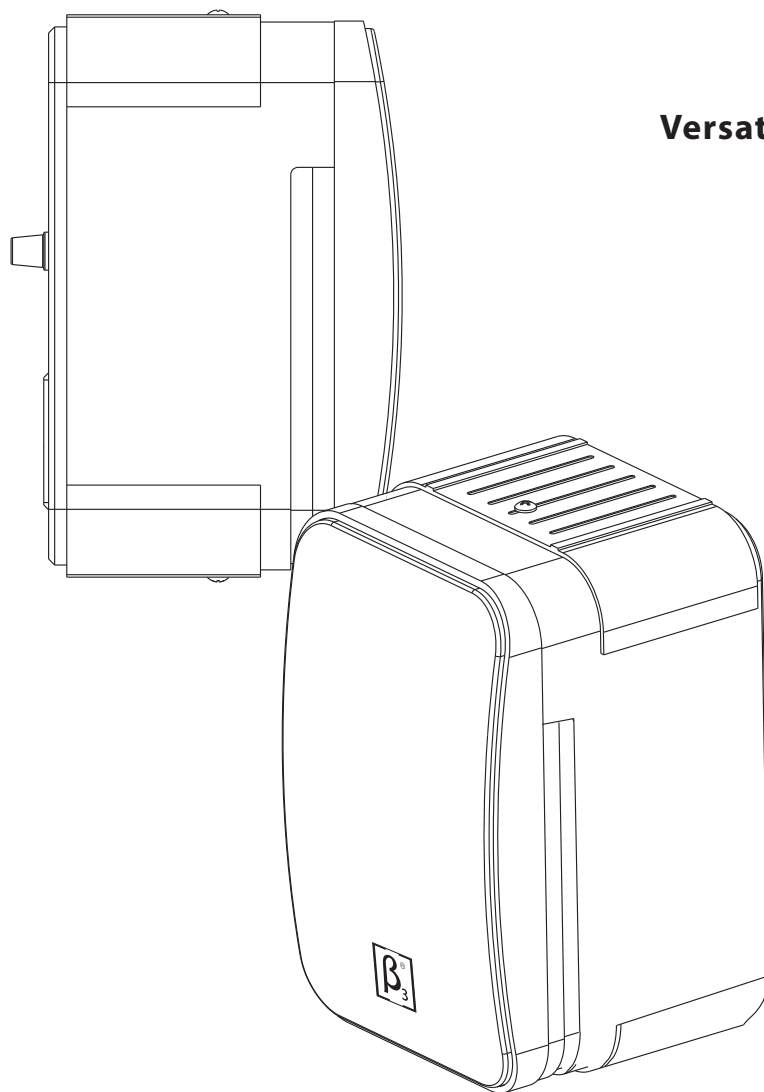




Beta Three



BS5002T

Versatile Full-Range Plastic Speaker

Users Manual



UM-BS5002T-20141124 ver A

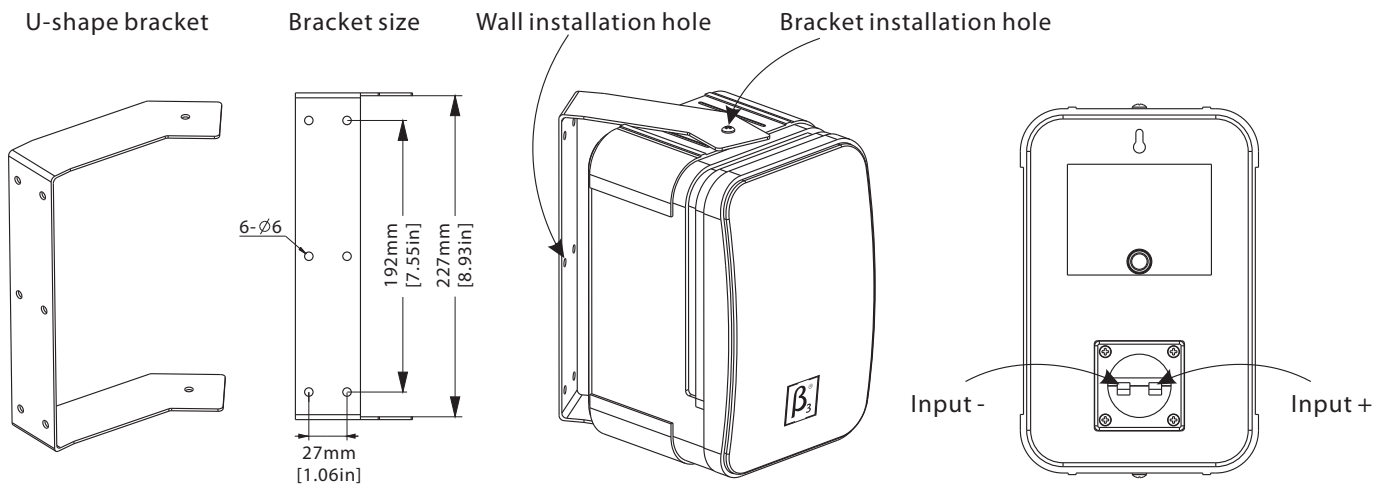
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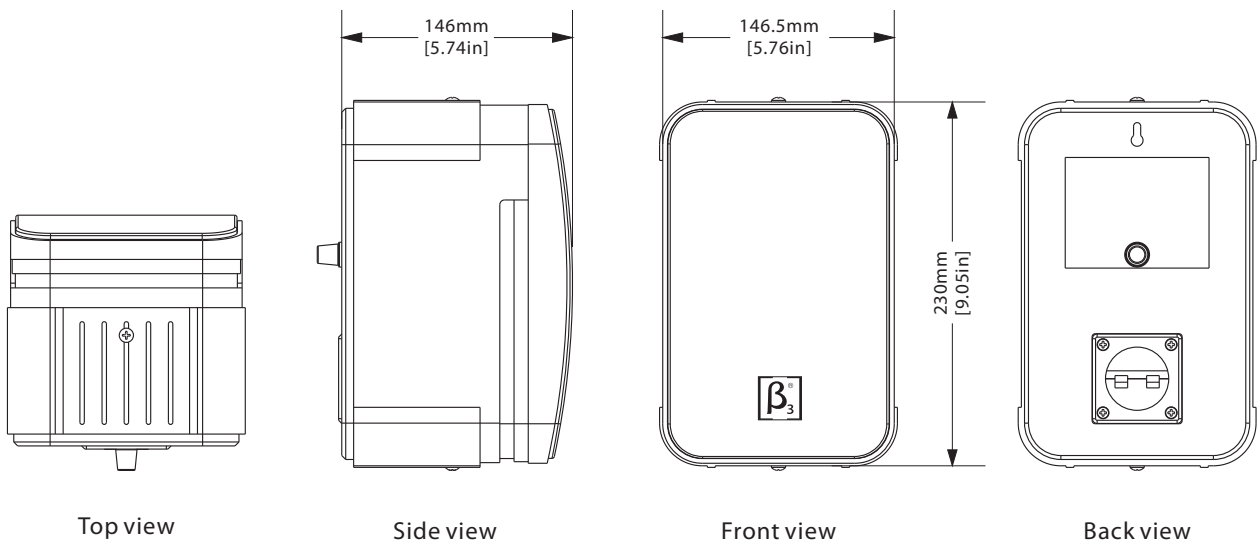
Description

β 3[®] BS5002T is a two-way full range bass reflex speaker box comprised of 5.25"LF unit and 0.5"PEI tweeter. A switchable transformer built at the back allows for 7W/15W/30W/8Ω working mode. With an optional U bracket, the compact and exquisite design is smartly used for public address in meeting rooms, schools, office buildings, where high quality sound reinforcement is needed for small and medium venues.

Installations



2D Dimension



Technical Specification

System:	Two-way full range speaker system
System components:	1 x 5.25"LF, 1 x 0.5"PEI tweeter
Frequency response(-3dB): ¹	60Hz-20kHz
Frequency response(-10dB):	55Hz-20kHz
Sensitivity(1W@1m): ²	86dB
Max. SPL(1m): ³	106dB/112dB(PEAK)
Power(70V,100V Tappings):	7W,15W,30W
Power(Bypass/Continuous,Program): ⁴	50W,100W
Dispersion(H x V):	150 ° x 150 °
Impedance(Bypass):	8 Ohms
Cabinet:	Plastic
Installation:	Optional bracket
Painting:	Enclosure and grill with black painted
Connector:	Block terminal
Cabinet dimension: (W x D x H)	146.5 x 146 x 230mm (5.8 x 5.8 x 9.1in)
Package dimension: (W x D x H)	385 x 220 x 315mm (15.2 x 8.7 x 12.4in)
Net weight(piece):	2.6kg(5.7 lbs.)
Gross weight(pair):	6.6kg(14.5 lbs.)

Speaker Testing Method

1. Frequency Response

Use Pink noise to test the speaker in the anechoic chamber, adjust the level to make the speaker work at its rated impedance and set the output power at 1W, then test the frequency response 1m away from the speaker.

2. Sensitivity

Use full range Pink noise which has been modified using an EQ curve to test the speaker in the anechoic chamber, increasing the signal to make the speaker work at its rated impedance and set the power output at 1W, then test the sensitivity 1m away from the speaker.

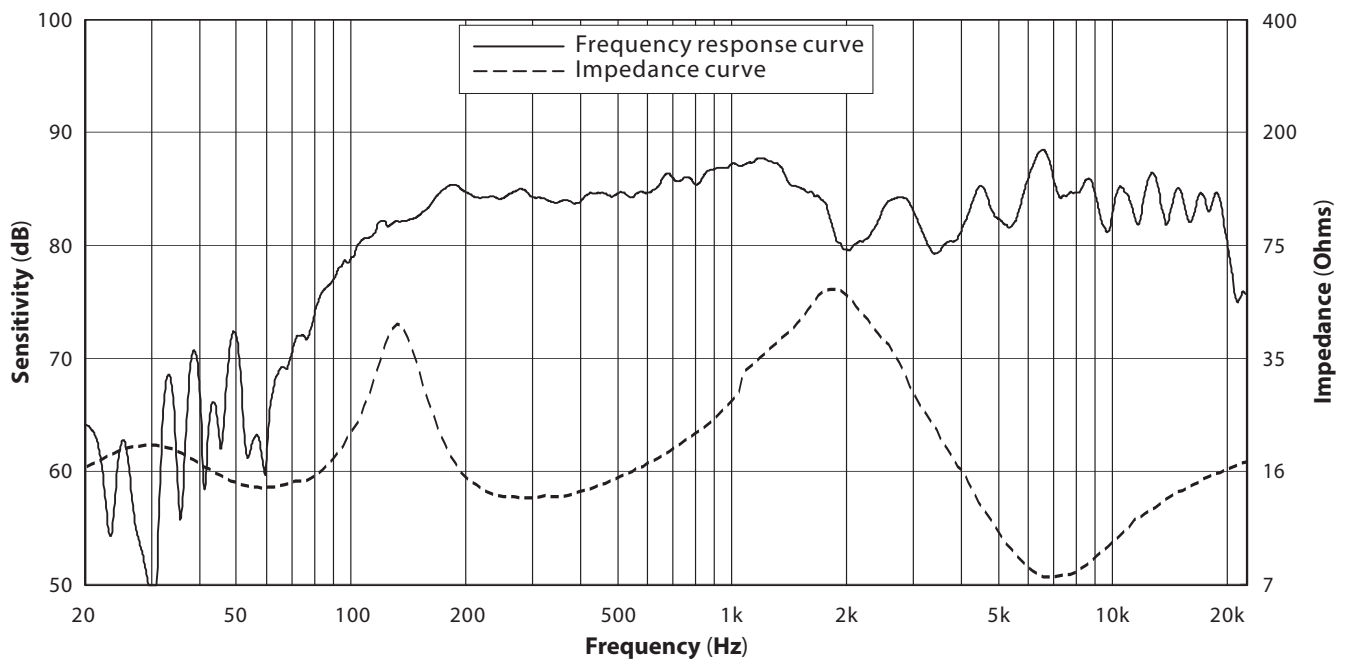
3. MAX.SPL

Use full range Pink noise which has been modified using an EQ curve to test the speaker in the anechoic chamber, increase the signal to make the speaker work at its maximum power output level, then test the SPL 1m away from the speaker.

4. Rated Power

Use Pink noise to the IEC#268-5 standard to test the speaker, increase the signal for a continuous period of 100 hours, the rated power is the power when the speaker will show no visible or measurable damage.

Frequency response curve & Impedance curve





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