

## The ultimate powerhouse for your low-end needs.

Elevate your bass guitar performance with the 12-inch ToneSpeak TSB-12-250 Bass Guitar Speaker. Engineered for excellence, it boasts a 2.5-inch inside/outside copper voice coil, delivering unparalleled responsiveness and clarity to your bass notes. The speaker is powered by a robust 7 oz neodymium magnet, ensuring a rich, punchy tone while maintaining a lightweight design. With the capacity to handle an impressive 500 watts of program power, this speaker takes your bass grooves to the next level.

- 12-inch steel basket
- 2.5-inch inside/outside copper voice coil
- Fiberglass former
- 7 oz. neodymium magnet
- Paper cone with cloth M-roll surround
- 250 watts AES
- 500 watts program power
- 98 dB

A flat shipping fee of \$15 is applied to US customers.

For international customers, [CHECK OUR DISTRIBUTORS PAGE](#) to see what is available near you.



## Primary Specifications

<b>Size, Nominal (inch &amp; mm)</b>	12" (305 mm)
<b>Rated Impedance (<math>\Omega</math>)</b>	8
<b>Continuous Power (W)</b>	250
<b>Sensitivity (dB SPL) <sup>1</sup></b>	98
<b>Frequency Range (Hz)</b>	50 - 4,000
<b>Resonant Frequency (Fs) (Hz) +/- 15%</b>	45

More Specifications

Application	Musical Instruments
RoHS Compliant	Yes
DC Resistance (Re) ( $\Omega$ )	5.6
Program Power (W)	500
Continuous Power (W)	250

Small Signal Parameters

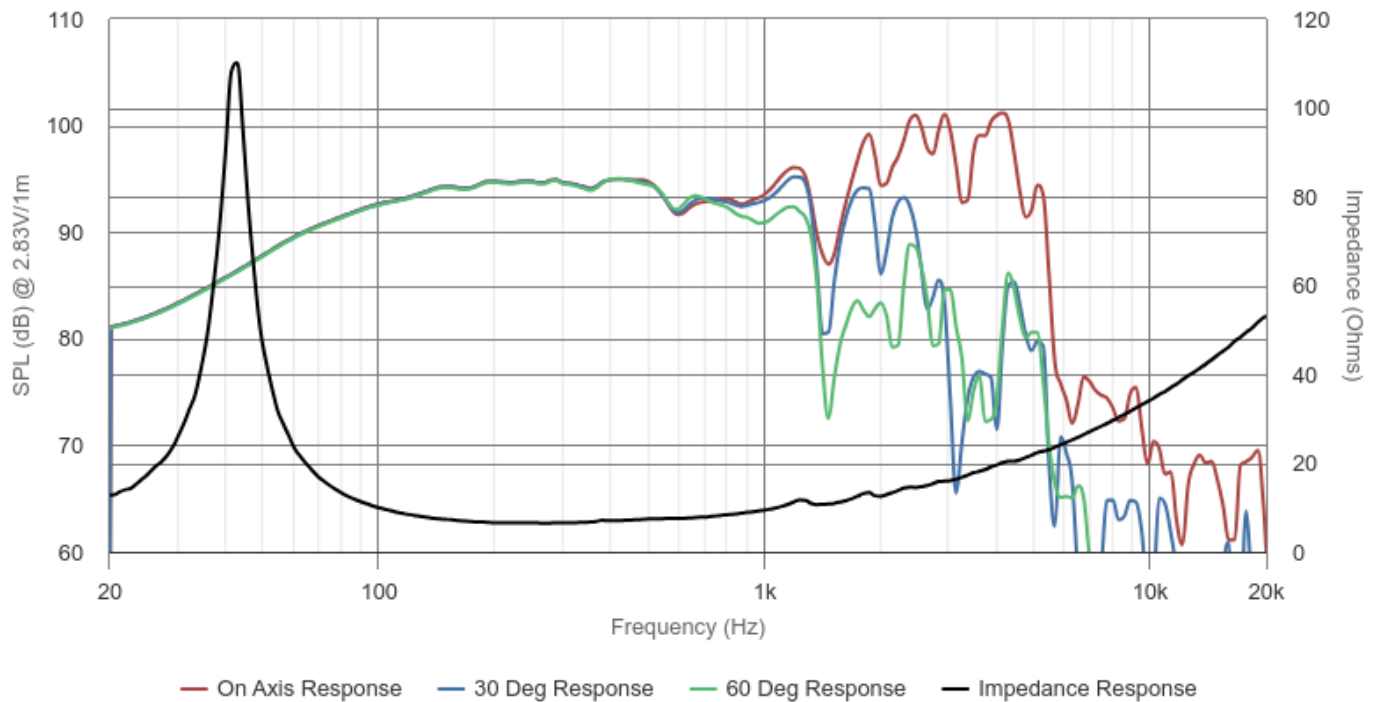
Nominal Impedance (Z) ( $\Omega$ )	8
DC Resistance (Re) ( $\Omega$ )	5.6
Voice Coil Inductance (Le) (mH)	0.53
Resonant Frequency (Fs) (Hz) +/- 15%	45
Mechanical Q Factor (Qms)	8.54
Electrical Q Factor (Qes)	0.34
Total Q Factor (Qts)	0.33
Moving Mass (Mms) (gm)	48.4
Suspension Compliance (Cms) (mm/N)	0.26
Mechanical Resistance (Rms) (kg/s)	1.6
Surface Area of Diaphragm (Sd) (cm <sup>2</sup> )	530.93
Compliance Equivalent Volume (Vas) (L)	104.23
Motor Force Factor (BL) (T•M)	14.9

Material Descriptions

Basket Type	Pressed steel
Terminal Size (mm)	5.2
Voice Coil Diameter (mm)	63.5
Voice Coil Wire Material	Copper
Voice Coil Former Material	Fiberglass
Magnet Material	Neodymium
Magnet Weight (g)	198.4
Cone Body Material	Paper
Cone Surround Material	Cloth
Dust Cap Material	Felt



## Frequency & Impedance Response



Highcharts.com