

## 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

<b>Application</b>	Musical Instruments
<b>RoHS Compliant</b>	Yes
<b>DC Resistance (Re) (<math>\Omega</math>)</b>	5.6
<b>Program Power (W)</b>	500
<b>Continuous Power (W)</b>	250

### Small Signal Parameters

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

### Material Descriptions

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



## Frequency & Impedance Response

