

IEEE Frequency Bands and Waveguide Dimensions - IEEE Std 1785™ (Bundle)

The 1785 bundle provides specifications for the waveguide (including aperture dimensions, frequency range, cut-off frequency, etc.). It considers the tolerances of the waveguide aperture dimensions and the effect these have on the electrical properties (in terms of return loss, transmission loss, etc.) of the waveguide. It also includes the tolerances of the waveguide interface dimensions and the effect these have on the electrical properties (in terms of return loss) of the waveguide. It provides recommendations for determining the electrical performance and expected uncertainty of measurement of rectangular waveguide for 110 GHz and above.

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- IEEE 1785.1-2012
- IEEE 1785.1-2016
- IEEE 1785.3-2016

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