FOCUS MICROWAVES GROUP

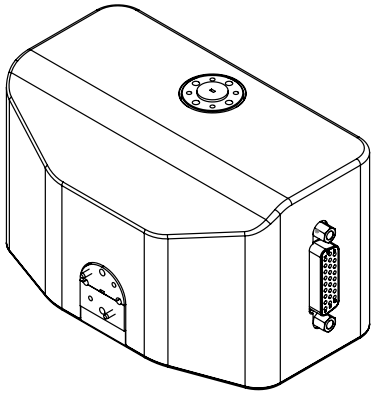
W1701100B

Waveguide Tuner (110-170 GHz)

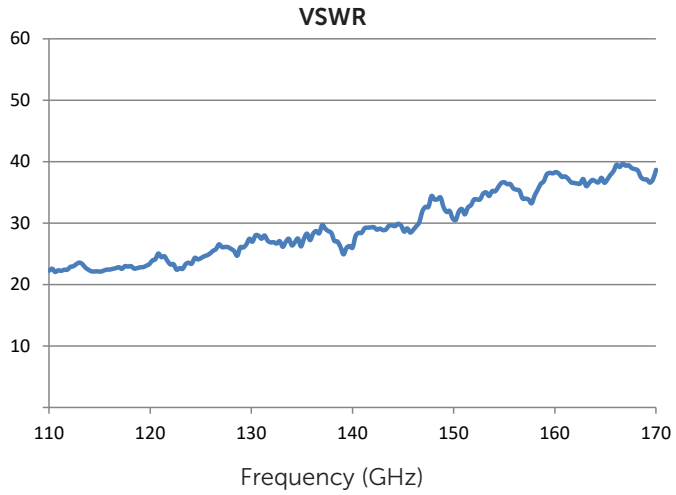
General

Since 1989 Focus Microwaves manufactures waveguide programmable impedance tuners. Starting with models from 2 to 4 and 26 to 40 GHz and now up to 330 GHz using standard WR-waveguide sections from WR-340 (2.3 GHz) to WR-3 (330 GHz). The extreme high horizontal (1-25µm) and vertical (≤1µm) probe movement resolution allow dense impedance coverage up to the highest frequency. Up to 120 GHz Focus uses stepper motor control, above that it uses nanometric resolution piezo motor control. All WR Focus tuners provide high tuning range in a smallest possible footprint, making them ideal for on-wafer applications. Multiple models are available for S, C, X, Ka, V, E, W, D, G and Y bands.

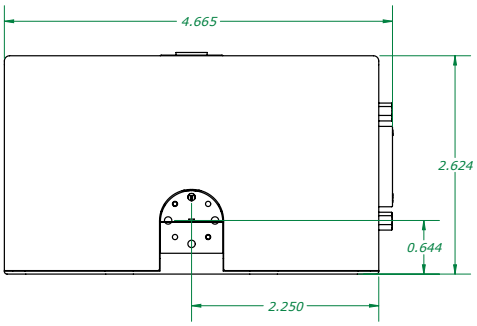
The extreme low loss RF probes used in the Focus waveguide tuners are designed for highest broadband Γmax, optimal tuning accuracy, repeatability and complete absence of spurious resonances. All Focus tuners are LAN or USB controlled and may be equipped with on-board highly accurate impedance synthesis electronics and firmware (iTuner) using previous calibration.

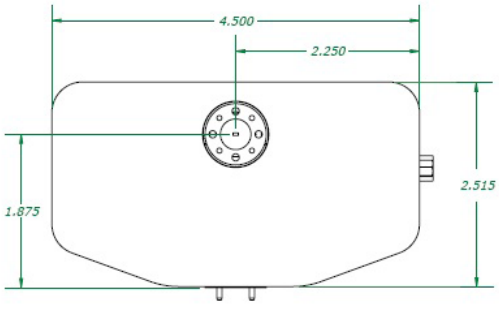


Model	Freq. Range (GHz)	Connector Type	VSWR (minimum)	Maximum Power* (W, CW)	Repeatability (min, dB/ typical, dB)	Length (in)
W1701100B	110 - 170	WR-6	≥15:1	20	-40/-50	2.515



Dimensions (in)





*measured at 10:1 VSWR

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