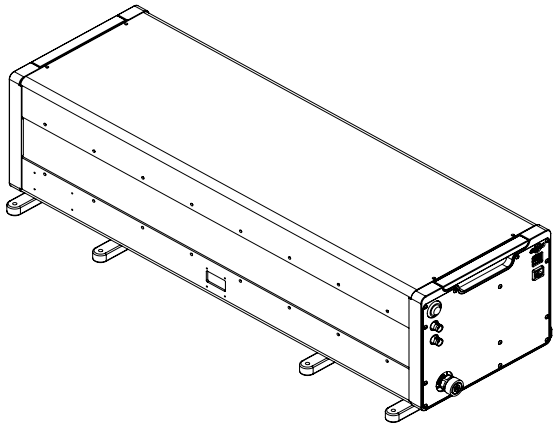
FOCUS MICROWAVES GROUP

L1807

F0, 2F0 Harmonic Tuner (0.7-18 GHz)

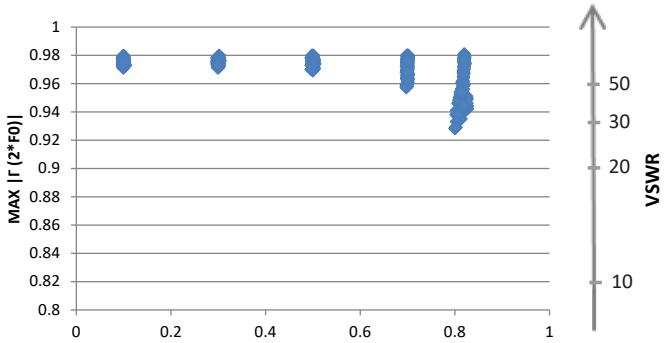
General

The M is Focus' flagship proprietary tuner technology. Its performance is unmatched and its capabilities make it the most versatile and popular tuner in the industry. Multi-purpose tuners (L) use two wideband probes, allowing independent control of the amplitude and phase of the reflection factor at two harmonic frequencies simultaneously. The M technology is widely used for advanced applications like high power/ efficiency RF amplifier design. By controlling the harmonic impedances with an accuracy of >40dB at the source and load, users can generate more robust transistor behavior models and have better insight on how their device performs in all classes of operation. The M can be used to pre-match impedances at the fundamental and the harmonic frequencies making it ideal for hybrid active systems, reducing significantly the power needed to drive the load of high power devices to $|\Gamma_{LOAD}| \leq 1$. L tuners use two probes and control the fundamental Fo and one harmonic frequency (2Fo or 3Fo).

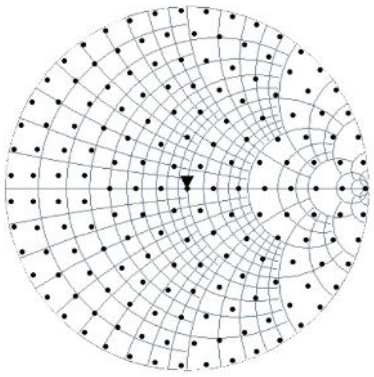


Model	Freq. Range (GHz)	Connector Type	VSWR		Maximum Power** (W, CW)	Repeatability (min, dB/ typical, dB)	Weight (lbs)	Length (in)
			High VSWR*	Harmonic tuning				
L1807	0.7 - 18	N, APC-7	63:1	10:1-100:1	427	-40/-50	57.0	29.081

Harmonic tuning*

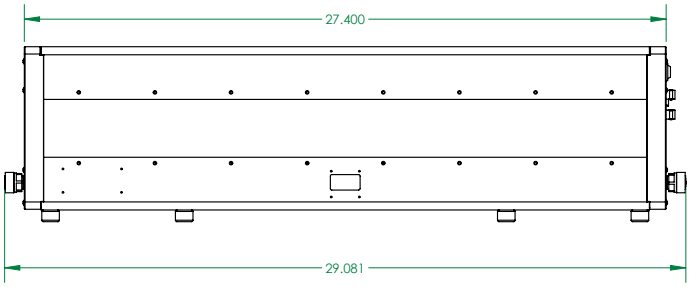


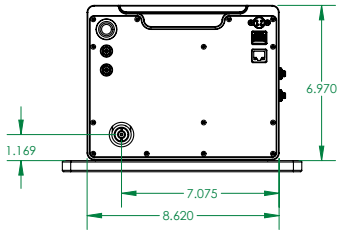
High VSWR tuning*



*measured at F0 = 3GHz

Dimensions (in)





**at 18GHz (connector limited)

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