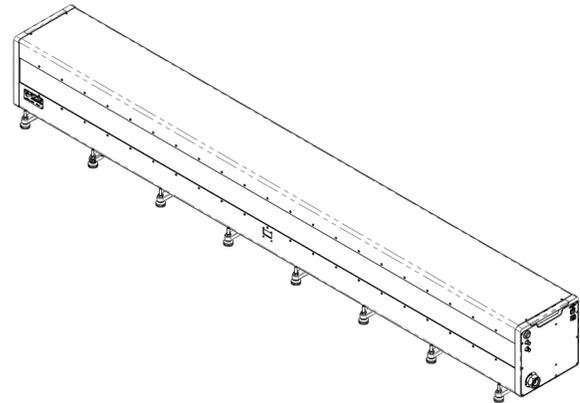


L302

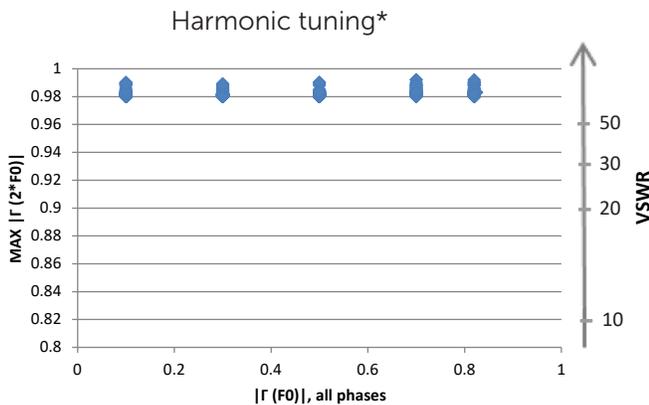
F0, 2F0 Harmonic Tuner (0.2-3GHz)

General

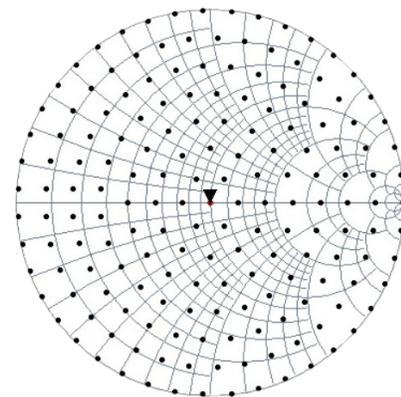
The M is Focus' flagship proprietary tuner technology. Its performance is unmatched and its capabilities make it the most versatile and popular tuner in the industry. Multi-purpose tuners (L) use two wideband probes, allowing independent control of the amplitude and phase of the reflection factor at 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 F0 and one harmonic frequency (2F0 or 3F0).



Model	Freq. Range (GHz)	Connector Type	VSWR		Maximum Power** (W, CW)	Repeatability (min, dB/ typical, dB)	Weight (lbs)	Length (in)
			High VSWR*	Harmonic tuning				
L302	0.2 - 3	7/16, N, APC-7	170:1	10:1-200:1	2309	-40/-50	131	76.346

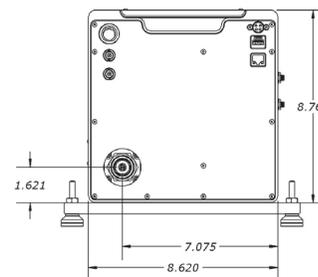
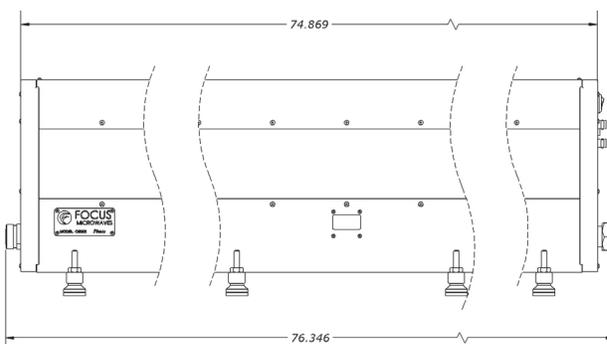


High VSWR tuning*



*measured at F0 = 1GHz

Dimensions (in)



**at 3GHz (connector limited)

