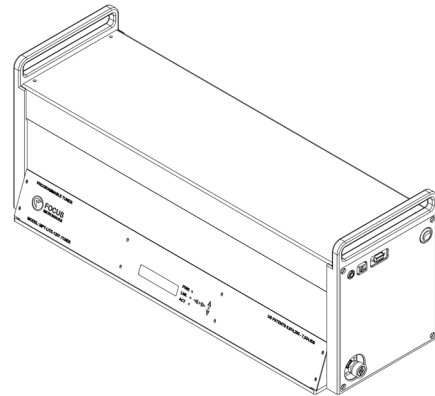


L808

F0, 2F0 Harmonic Tuner (0.8-8 GHz)

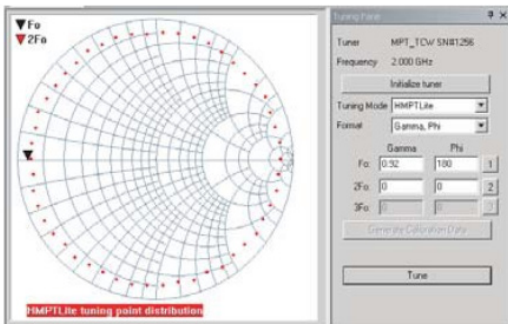
General

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 F_0 and one harmonic frequency (2F0 or 3F0).



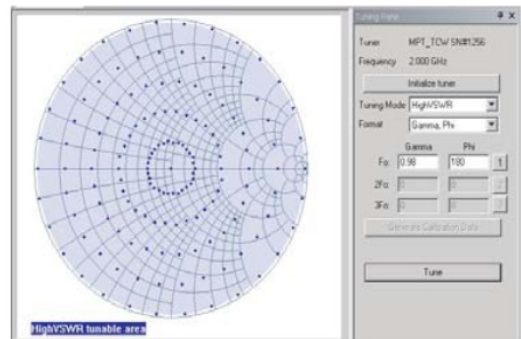
Model	Freq. Range (GHz)	Connector Type	VSWR	Maximum Power* (W, CW)	Repeatability (min, dB/ typical, dB)	Weight (lbs)	Length (in)
			Harmonic tuning				
L808	0.8 - 8	7/16, N, APC-7	10:1-100:1	1414	-40/-50	55.0	22.9

Typical Tuning Point Distribution

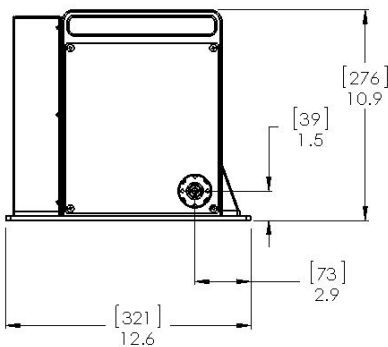


2f0 harmonic tuning for $\Gamma(f_0) = \text{constant}$

High VSWR (f0) tuneable area



Dimensions



**at 8GHz (connector limited)

