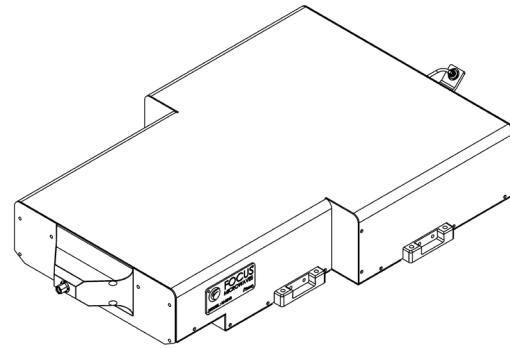


# M3020

F0, 2F0, 3F0 Harmonic Tuner (2.0-30 GHz)

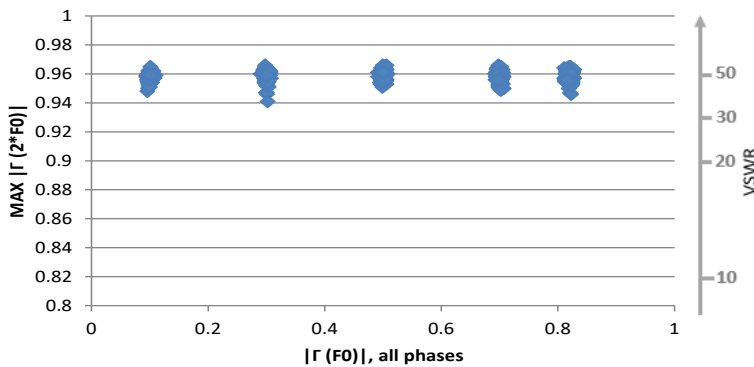
## DELTA TUNERS FOR HARMONIC ON-WAFER LOAD PULL

Focus Microwaves' new delta series of electro-mechanical tuners is designed specifically for high frequency on wafer measurements. The tuner's low profile allows it to be placed within the wafer perimeter and allows for a direct connection between the probe tip and the tuner, eliminating all possible insertion loss between the DUT and the tuner. This revolutionary new tuner design enables the engineer to achieve optimum tuning range, with a tuner whose footprint and weight has been dramatically reduced.

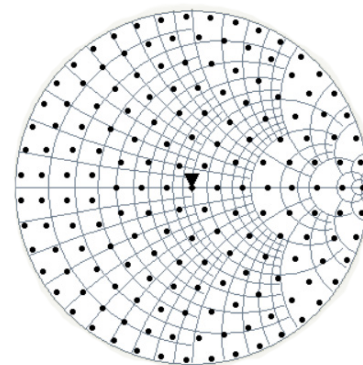


Model	Freq. Range (GHz)	Connector Type	VSWR		Maximum Power* (W, CW)	Repeatability (min, dB/ typical, dB)	Length (in)
			High VSWR**	Harmonic tuning			
M3020	2.0 - 30	2.92mm	49:1	10:1-100:1	23	-40/-50	22.879

Harmonic Tuning\*\*

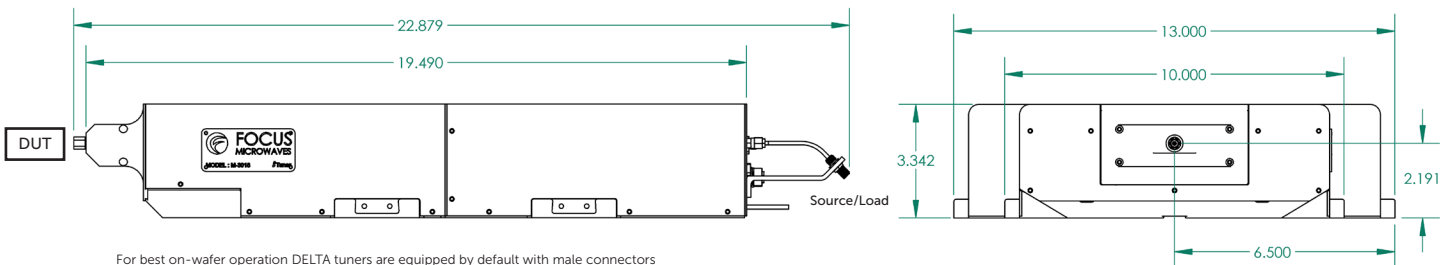


High VSWR Tuning\*\*



\*\* measured at F0=4.4GHz

## Dimensions



For best on-wafer operation DELTA tuners are equipped by default with male connectors DUT-side and female connectors Source/Load side. Different Configurations are possible on specific customer requests

\* at 30GHz (connector limited)

