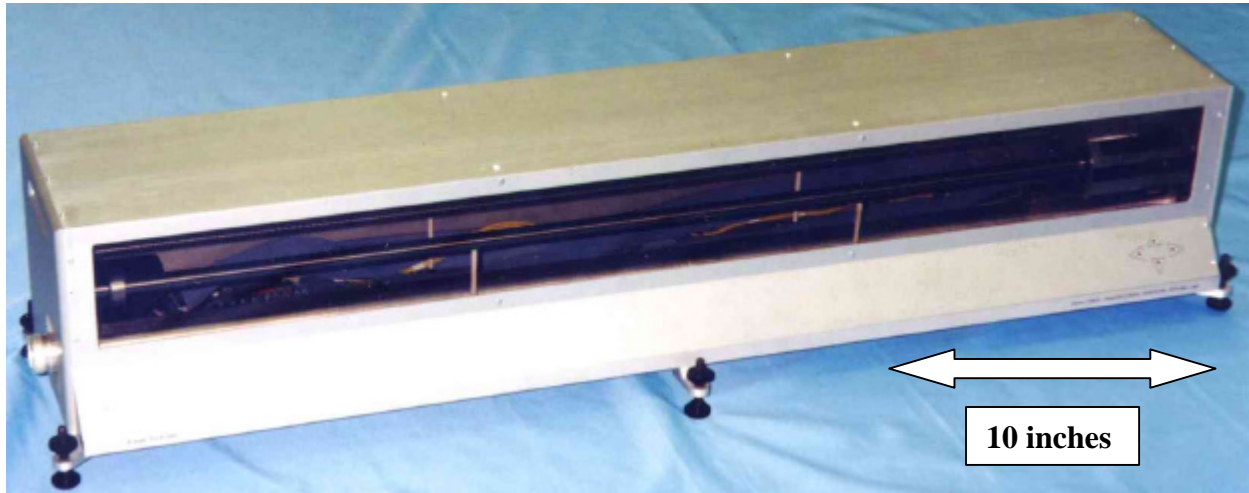


Product Note 59

High Power 0.2 - 6 GHz Tuner using 7/16 Connectors

The high power coaxial programmable tuner, model CCMT-602-7/16, operates from VHF frequencies (200 MHz) up to 6 GHz. The tuner uses a dual axis and does not need a slug change.

The reflection factor exceeds 0.9 (VSWR>20:1) over most of the bandwidth. Power handling is beyond 250 Watts CW and 2kW peak (VSWR = 10:1).



High Power Load Pull Tuner model 602-7/16 (0.2 – 6 GHz; 7/16 high power connectors)

CCMT-602-7/16 Tuners at a glance

Frequency Range (fo)	0.2 – 6.0 GHz
Max VSWR	20:1 min
Min VSWR	1.09:1 max
Tuning Resolution (Phase)	0.061°/ step @ 1 GHz
Connector type	7/16 high power, male or female (user defined)
RF Repeatability	50 dB min
Insertion loss (probes retracted)	0.1dB max
Power Handling	250 Watts CW, 2kW Peak @ VSWR=10:1
Overall Size	L=36", W= 7.0" , H=6.4" (without feet)
Weight	26.5 lbs. (12 kg)