

RF-S10K (Variable RF Sampler – 10,000 Watts)

The model **RF-S10K** (Variable RF Sampler) is designed to directly sample and convert the RF envelope from a high power amplifier to a usable signal suitable for feeding the Vertical "Y" input of your oscilloscope. This may be used to establish a post-amplifier reference signal when used with the model **RF-D**.

Additionally, the **RF-S10K** may be used as an RF coupling probe for spectrum analysis, RF envelope observation or frequency counting and control. It features a very low operational VSWR over a broad frequency range. Insertion loss is a negligible 0.1 dB. The **RF-S10K** produces an un-rectified, variable non-directional sample



at the BNC jack..

6 Ft. cable and adapter included!

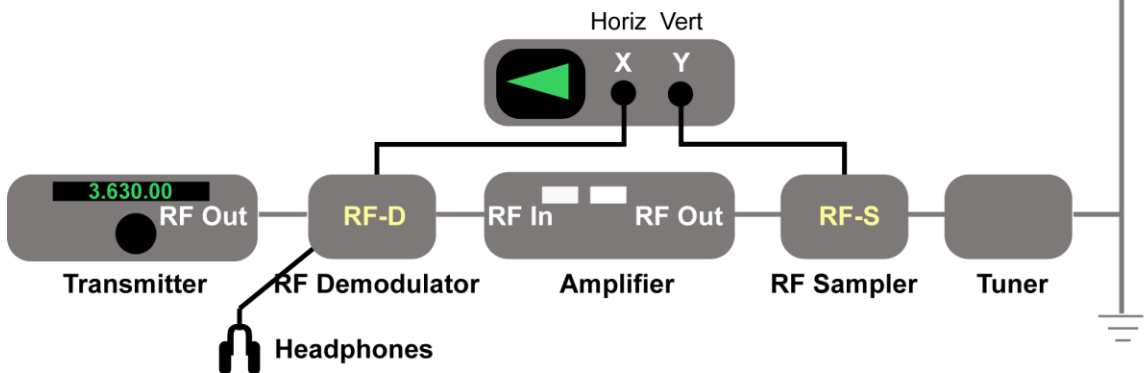
RF-S10K Specifications

- Frequency Response: 500 kHz ~ 60 MHz
- Rated Input: 0w ~ 10,000w PEP
- Sampler Output: -26dB ~ -50dB
- Connectors In: SO-239
- Connectors Out: SO-239 and BNC
- Controls: Variable RF Output
- VSWR: < 1:1.1
- Insertion Loss: < 0.1 dB
- Cable and Adapter: 6 Ft. BNC Male-to-BNC Male and UHF Male-to-Male Adapter
- Applications:
 - Oscilloscope Vertical "Y" In (Post-Amplifier Reference Signal)
 - RF Modulation Envelope Monitor
 - Peak Envelope Power Monitor
- Dimensions: W 2 1/8" x L 3 1/4" x H 1 5/8"



Scope / RF Demodulator / RF Sampler Wiring Chain

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Trapezoidal Linear RF Pattern Provided by CleanRF Systems Splatter View.

Note sides of Trapezoid are straight with distinct angles.

Bandwidth determined by exciter's audio, not distortions from RF amplifier.

- Low I.M.D. -

