

4RF Amplifier

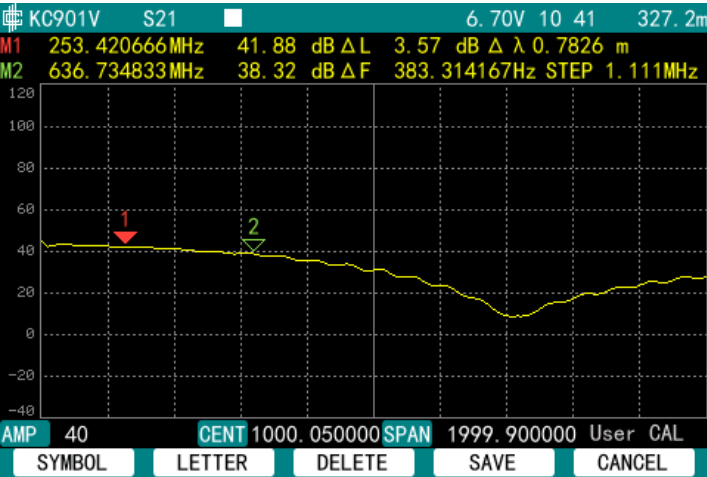
4-Channel Pulse Amplifier



Highlights

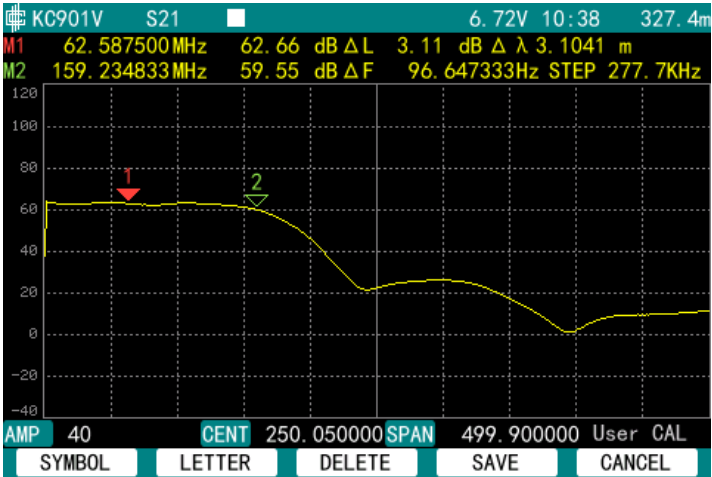
Optimized for use with delay-line (1D) and cross delay-line (2D) detectors

Feature	Benefit
Four independents channels	Amplification of RF pulses with extremely low signal amplitude and where the pulse's rise and fall time is higher than 4ns
SMA connectors for input and output, In/Out Z0 50 Ohm	Compatible with commercialy available systems such as delay lines (wire or strip) and high speed photodiodes
Two different gain and frequency cut-off for pair channels; CH1, CH2 and CH3, CH4	Compact form factor with four independent channels



CH₁ - CH₂ Specifications

Gain	40 dB
Band -3 dB	35 kHz : 1 GHz



CH₃ - CH₄ Specifications

Gain	60 dB
Band -3 dB	35 kHz : 160 MHz
Low pass filter	80MHz@ -1dB
	160MHz@ -3dB
Low pass filter	Customizable

1 Channel RF Pulse Amplifier



Available Options

- 4RF Pulse Amplifier: 4 channels 40 dB
- 4RF Pulse Amplifier: 2 channels 40 dB + 2 channels 60 dB
- 1 channel RF Pulse Amplifier

Related Products

- Delay-Line (1D) and Cross Delay-Line (2D) Detectors
- CFD 4 - Constant Fraction Discriminator
- THR08-TDC, Advanced 8-Channel Time to Digital Converter

See the single product brochures for details.

1 Channel RF Pulse Amplifier Specifications

Channels	1
Power supply	+12V (not included)
Current	170 mA
Max in RF	13 dBm
Z _{in} , Z _{out}	50 Ohm

