

# HIGH VOLTAGE PULSE 9 PORT POWER DIVIDER

MODEL 6419-NFP

## ADVANTAGES

- Specifically designed for maximum amplitude output with fixed duration flat top, while maintaining a fast clean risetime.
- Outputs are very consistent from port to port, with respect to risetime, amplitude, and delay.
- Similar dividers with different number of outputs, other input voltages, pulse widths, or risetime specifications can be designed to meet a customers requirements.



## DESCRIPTION

9 Output High Voltage Pulse divider specifically designed for use with 10 kV, 250 ps risetime high voltage pulses.

## SPECIFICATIONS

<b>Number of Outputs:</b>	9 Outputs
<b>Input-Output Voltage Ratio:</b>	2.94:1 / 3.21:1 (9.75dB +/- 0.38 dB)
<b>Output Pulse Risetime:</b>	280 ps for a 250ps Input Risetime
<b>Maximum Input Pulse Amplitude:</b>	10 kV/10 ns, Rectangular Pulse
<b>Input Reflection Coefficient :</b>	+ 1.6%, - 3.0%, to a 250 ps Risetime Step Function
<b>Maximum Pulse Droop:</b>	6% @ 16 ns
<b>Connectors:</b>	Type "N" Receptacle (female) on Input and Outputs
<b>Dimensions:</b>	Approx. 7.3" x 7.3" x 3" Height
<b>Weight:</b>	4.5 lbs.