

# High Voltage Pulse Generator Model 731



## DESCRIPTION

The Model 731 high voltage pulse generator provides pulses of < 200ps risetime, 500 volts through 3kV amplitude, to drive into any load impedance through 50 ohm coax.

The generator is capable of a minimum pulse width of 1.5ns and a maximum of 400ns. The rectangular output pulse width is determined by charge line length. HPM, impulse driven antennas, dry run simulation, and HV pulse testing are just a few of the uses for this HV pulse generator. Unit comes standard with 10ns charge line, and (1) additional charge line of customer's choice.

## PRELIMINARY SPECIFICATIONS

<b>Output Pulse:</b>	< 200ps risetime at all output voltages
<b>Output Amplitude:</b>	Continuously adjustable from < 500 volts output to > 3kV output
<b>Output Pulse Width:</b>	1.5ns to 400ns
<b>Output Pulse Rep Rate:</b>	Single pulse / internal repetitions / external trigger modes Internal mode adjustable from >20 sec between pulses to 10Hz repetition
<b>Trigger Input:</b>	5V at 1mA through a grounding switch, or a 1V, 1 $\mu$ s input trigger pulse
<b>Mechanical Switch Life:</b>	> 3,000,000 pulses at 2kV/400ns pulse width (switch life is energy dependent)
<b>Connectors:</b>	HN female output and charge line connectors
<b>Input Power:</b>	Standard 120 volt/60Hz line power at 10 amps (50Hz model available for export)
<b>Dimensions:</b>	19" wide (rack mount) x 5 1/4" high x 15" deep
<b>Weight:</b>	24 lbs.
<b>Accessories:</b>	

<b>Model:</b>	<b>Description:</b>
464-HMP-5ns	5ns charge line
464-HMP-10ns	10ns charge line
464-HMP-20ns	20ns charge line
464-HMP-50ns	50ns charge line
464-HMP-100ns	100ns charge line
464-HMP-200ns	200ns charge line
464-HMP-400ns	400ns charge line

Any Value from 1.5ns to 400ns available

Contact us for additional information or to discuss your application.

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