High Voltage Pulse Generator Model 733



DESCRIPTION

The Model 733 high voltage pulse generator provides pulses of < 200ps risetime, 500 volts through 5kV 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

Output Pulse: < 200ps risetime at all output voltages

Output Amplitude: Continuously adjustable from < 500 volts output to > 5kV output

Output Pulse Width: 1.5ns to 400ns

Output Pulse Rep Rate: Single pulse / internal repetitions / external trigger modes

Internal mode adjustable from >20 sec between pulses to 10Hz

repetition rate

Trigger Input: 5V at 1mA through a grounding switch, or a 1V, 1µs input trigger pulse

Mechanical Switch Life: > 3,000,000 pulses at 2kV/400ns pulse width

(switch life is energy dependent)

Connectors: HN female output and charge line connectors

Input Power: Standard 120 volt/60Hz line power at 10 amps

(50Hz model available for export)

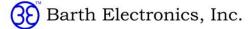
Dimensions: 19" wide (rack mount)

Weight: 24 lbs.

Accessories:

<u>Model:</u>	<u>Description:</u>
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





1589 Foothill Dr.
Boulder City, Nevada 89005
Phone: (702) 293-1576
Fax: (702) 293-7024
beisales@barthelectronics.com

<u>www.barthelectronics.com</u>

Contact us for additional information or to discuss your application.