



Applied Pulsed Power, Inc.™

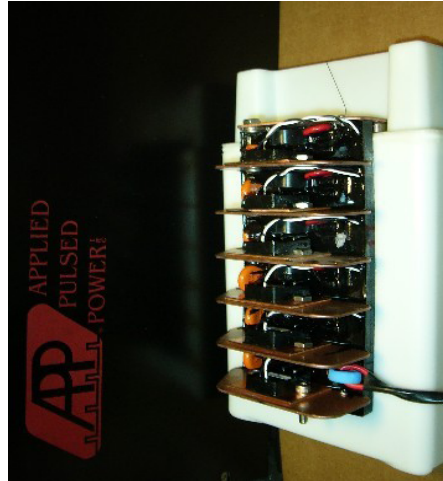
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Model S34-6 Solid State Switch For Lithotripters

A new solid state high voltage switch specifically designed for Lithotripters. This switch features:

- 32kV Peak Off-State Voltage
- 14kA Peak Non-Repetitive Current
- 10kA Ringing Discharge
- 30kA/ μ S Maximum di/dt



These solid state switches are designed specifically for Lithotripters, providing high di/dt at repetition rates of several hertz. Switches for 5kV to 60kV peak off-state voltages are available. Contact sales@appliedpulsedpower.com for more information.

Operational Ratings (T_j=80°C, unless otherwise specified)

Peak Off-State Voltage	32000	Volts
Maximum DC Operating Voltage	24000	Volts
Peak Non-Repetitive Current	14000	Amps
Peak Repetitive Current (10 μ sec pulse)	10000	Amps
Maximum di/dt	30	kA/ μ Sec
Maximum RMS On-State Current (T _j =120°C)	100	Amps
Operating Temperature Range	0 to 100	°C
Peak Rate of Reapplication of Off-State Voltage	1000	V/ μ Sec

Trigger Characteristics

Trigger Voltage	15	Volts
Trigger Current	1	A
Trigger Isolation Voltage	60	kV

Operational Characteristics

Maximum Leakage Current	(T _j =25°C)	1	μ Amp
	(T _j =80°C)	40	μ Amp
	(T _j =120°C)	800	μ Amp
Turn-On Delay		2	μ Sec
Dimensions		50 x 100 x 170	mm

Specifications May Change Without Notice

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