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Model S32 5kV Solid State Trigger Generator



The S32 5KV Trigger Generator has a 5KV power supply and high current switch for charging and discharging an external capacitive load. The switching is controlled by a model S25 high voltage solid state switch. Optoelectronic controls and 12VDC power requirements allow isolated operation.

This Trigger Generator features:

- 2 ST style 62.5/125 μ m Control Channels
- 3 ST style 62.5/125 μ m Status Channels
- Low Inductance
- Can be used in place of krytron triggered systems
- Isolated operation

Operational Characteristics

Parameter	Value	Unit
Input Voltage	12	VDC
Maximum 12VDC power supply current	1	A
Quiescent 12VDC power supply current	20	mA
5KV charging current	1.2	mA
Charging Resistance	2.2	M Ω
Peak Current	14	KA
Peak di/dt	30	kA/ μ Sec
Typical Delay Time	100	nSec
Typical Delay Jitter	2	nSec
Dimensions	7 x 4.25 x 2.25	Inch

The S32 can be configured for operation at higher voltages with smaller charging currents. Also, the S32 can be configured with high current contacts to fit custom connection needs. Please contact Howard Sanders hds@appliedpulsedpower.com for more details.