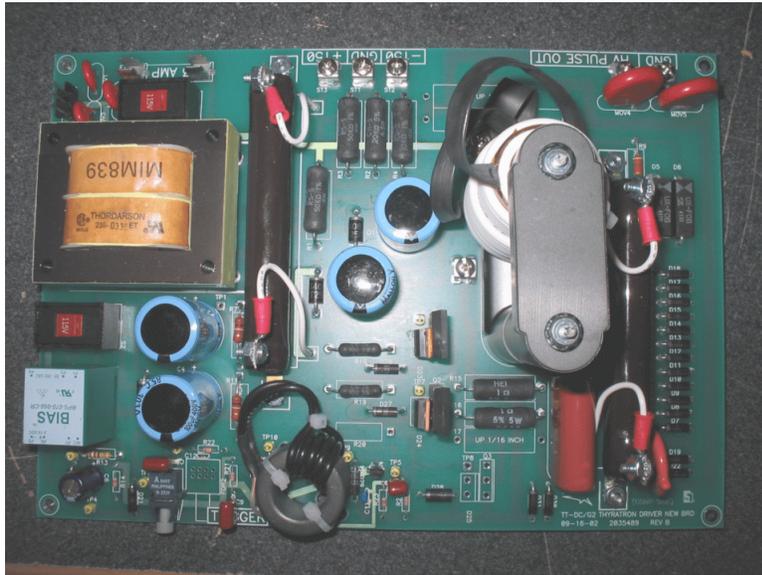




North Star High Voltage
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Thyratron Driver Boards



North Star High Voltage offers thyratron driver boards without chassis for general purpose use. These boards are generally combined by the user with reservoir and heater circuits to make a complete driver package. The board can then be mounted in the same enclosure with the other support circuits.

Extensive passive protection is provided for the board supported by a unique test program for the boards.

Model Number	TT-G2	TT-DC/G2	TT-G1/G2	TT-S (special order only)
G2 Open Voltage Pulse (kV)	2	2	2	0.8
G2 DC Bias (V)	0	-150 - -200	-150 - -200	-150 - -200
G2 Closed Current (A)	30	30	30	N/A
Std Rep Rate	400	400	400	400
Burst Rep Rate (Hz)	600	600	600	600
Custom Rep Rate (Hz)	>1000	>1000	1000	>1000
G1 Open Voltage (V)	150-200	150-200	500	N/A
G1 Closed Current	N/A	0.1	30	<5%
BNC/Plastic Fiber Adapter	Included	Included	Included	Included
Std. Input Type	Plastic Fiber	Plastic Fiber	Plastic Fiber	Plastic Fiber
Custom Input Type	ST/SMA	ST/SMA	ST/SMA	ST/SMA
Power Input	110/220 Select	110/220 Select	110/220 Select	110



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Ignitron Drivers



Ignitrons provide a unique high current switching capability for lasers, metal forming machinery, and a variety of capacitive discharge equipment. The IG5 unit meets or exceeds all ignitron requirements. It is delivered in a die cast aluminum box with convenient mounting studs. Only line power and a trigger are required for trigger pulse production.

The IG5 is provided with a DC “ready” status indicator, and a current based trigger indicator for useful feedback. We include protection networks for ringing discharge protection for all IG5-F units and the customer can use this feature or not depending on the type of discharge.

Model Number	IG5-F	IG5-F (Protected)	IG5-F-HC
Open Circuit Voltage Pulse (kV)	1.8	1.8	1.4
Ignitor Peak Current (A, typ)	380	260	380
Closed Circuit Current (A)	400	280	575
Std Rep Rate (Hz)	2	2	2
Energy Stored (J)	3.60	3.60	3.60
Std. Fiber Optic Length (m)	10	10	10
BNC/Plastic Fiber Adapter	Included	Included	Included
Std. Input Type	Plastic Fiber	Plastic Fiber	Plastic Fiber
Custom Input Type	ST/SMA	ST/SMA	ST/SMA
Power Input	110/220	110/220	110/220