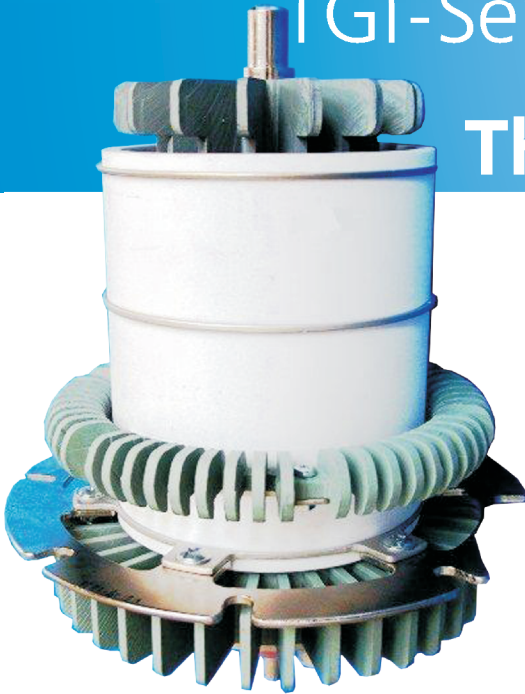


TGI-Series Hydrogen/Deuterium Thyratrons



- Compact and robust design
- Low cost and low power consumption
- Pulse repetition rates up to 15 kHz
- Hollow anode models for oscillatory decay and bipolar pulses applications
- Trigger and heater units are available from the Manufacturer

The TGI-series of high voltage thyratron with ceramic/metal envelope and tungsten impregnated thermionic cathode featuring low jitter, firing time and drift. Suitable for switching high power at high pulse repetition rates or for switching long pulses.

Design of the thyratrons is protected by Russian patent #2418339 and International patent PCT/RU2011/000038.

- Particle accelerators
- Pulsed lasers
- Radar applications
- General fast high energy switching

Absolute (Maximums/Nonsimultaneous) Ratings

Standard models	Peak Forward Anode Voltage, kV	Peak Forward Anode Current, kA	Anode Current Pulse Duration, μsec	Average current, A	Overall dimensions, ØxH, mm
TGI1-0.5k/25	25	0.5	50	0.5	85x150
TGI1-3k/30	30	10	50	3	170x205
TGI1-5k/50	50	10	50	5	170x220
TGI1-10k/50	60	10	50	10	160x260
TGI1-10k/75	80	10	50	10	160x300

Notes:

- All the models are available in standard, hollow anode and double-ended packages.
- Triode, tetrode and pentode designs are available upon request.
- The dwell time at the peak anode voltage should be minimized in order to minimize pre-firing. For operation at the rated anode voltage, the dwell time must not exceed 10 milliseconds.
- All data and specifications are subject to change without notice.

