



## GL7620A Specification

### Anode Parameter

|                                |                        |
|--------------------------------|------------------------|
| Peak forward anode voltage:    | 20kV                   |
| Peak inverse anode voltage:    | 20 kV                  |
| Peak anode current:            | 500A                   |
| Average anode current:         | 0.5A                   |
| Rate of rise of anode current: | 2000A/ $\mu$ s         |
| Plate breakdown factor:        | $10 \times 10^9$ VApps |
| Maximum pulse power:           | 5MW                    |

### Grid drive

|                                    |                               |
|------------------------------------|-------------------------------|
| Unloaded grid drive pulse voltage: | 200V $\sim$ 500V              |
| Grid pulse duration:               | 2 $\mu$ s                     |
| Rate of rise of grid pulse:        | 1kV/ $\mu$ s (min)            |
| Peak inverse grid voltage:         | 200V(max)                     |
| Forward impedance of grid circuit: | 50 $\Omega \sim$ 500 $\Omega$ |

### Heater

|                           |                   |
|---------------------------|-------------------|
| Cathode heater voltage:   | 6.3V $\pm$ 8%V ac |
| Cathode heater current:   | 5.5A $\sim$ 9.5A  |
| Reservoir heater voltage: | 6.3V $\pm$ 8%V ac |
| Reservoir heater current: | 0.5A $\sim$ 1.5A  |
| Minimum heater time:      | 5min              |

### Mechanical

|                    |             |
|--------------------|-------------|
| Mounting position: | Any         |
| Dimension:         | See outline |
| Cooling way:       | Forced-air  |

### Cross reference

|               |        |
|---------------|--------|
| L-3:          | L-4958 |
| Perkin Elmer: | HY-10  |
| E2V:          | 8503AF |
| EIA:          | 7620   |



