



## GL1551B Specification

### Anode Parameter

|                                |   |
|--------------------------------|---|
| Peak forward anode voltage:    | 33kV                                    |
| Peak inverse anode voltage:    | 25 kV                                   |
| Peak anode current:            | 1000A                                   |
| Peak anode current:            | 2000A (Pulse repetition rate 60pps Max) |
| Average anode current:         | 1.25A                                   |
| Rate of rise of anode current: | 5000A/ $\mu$ s                          |
| Plate breakdown factor:        | $14 \times 10^9$ VApps                  |
| Maximum pulse power:           | 16.5MW                                  |

### Grid drive

|                                    |                           |
|------------------------------------|---------------------------|
| Unloaded grid drive pulse voltage: | 500V~1000V                |
| Grid pulse duration:               | 1 $\mu$ s (min)           |
| Rate of rise of grid pulse:        | 1kV/ $\mu$ s (min)        |
| Peak inverse grid voltage:         | 450V(max)                 |
| Forward impedance of grid circuit: | 50 $\Omega$ ~800 $\Omega$ |

### Heater

|                      |                   |
|----------------------|-------------------|
| Heater voltage:      | 6.3V $\pm$ 5%V ac |
| Heater current:      | 22 $\pm$ 1A       |
| Minimum heater time: | 5min              |

### Mechanical

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

### Cross reference

|               |               |
|---------------|---------------|
| L-3:          | L-4696        |
| Perkin Elmer: | HY-32、HY-3002 |



