

## GL8613 Specification

### Anode Parameter

|                                |                        |
|--------------------------------|------------------------|
| Peak forward anode voltage:    | 16kV                   |
| Peak inverse anode voltage:    | 16 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:           | 4MW                    |

### Grid drive

|                                    |                            |
|------------------------------------|----------------------------|
| Unloaded grid drive pulse voltage: | 200V~600V                  |
| Grid pulse duration:               | 2 $\mu$ s                  |
| Rate of rise of grid pulse:        | 1.2kV/ $\mu$ s             |
| Peak inverse grid voltage:         | 200V(max)                  |
| Forward impedance of grid circuit: | 250 $\Omega$ ~500 $\Omega$ |

### Heater

|                      |                   |
|----------------------|-------------------|
| Heater voltage:      | 6.3V $\pm$ 8%V ac |
| Heater current:      | 6A~11.5A          |
| Minimum heater time: | 5min              |

### Mechanical

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

### Cross reference

|               |        |
|---------------|--------|
| L-3:          | L-4884 |
| Perkin Elmer: | HY-1A  |
| E2V:          | 8503B  |
| Triton:       | 8613   |



