

## 8613 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 $\sim$ 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 $\Omega$ $\sim$ 500 $\Omega$

### Heater

Heater voltage:	6.3V $\pm$ 8%V ac
Heater current:	6A $\sim$ 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



