

# FERRANTI TRIODE THYRATRON

Type GLI is a Mercury-Argon Triode Thyatron with a directly heated oxide coated cathode.

### PHYSICAL DETAILS.

Base	... ..	International Octal.
Top Cap	... ..	Type CT2 with ceramic collar.
Max. Overall Length	... ..	175 mm. (6 $\frac{3}{4}$ ins.).
Max. Seated Height	... ..	161 mm. (6 $\frac{1}{4}$ ins.).
Max. Bulb Diameter	... ..	53.0 mm. (2 $\frac{1}{2}$ ins.).
Mounting Position	... ..	Vertical Base Down.

### BASE CONNECTIONS.

Pin 1	} Filament*	Pin 5	No Pin.
Pin 2		Pin 6	No Pin.
Pin 3	No Pin.	Pin 7	} Filament*
Pin 4	Control Grid.	Pin 8	
		Top Cap	Anode.

### RATINGS—Absolute Ratings.

Filament Voltage	... ..	2.5 volts.
Filament Current	... ..	7.0 amps.
Max. Peak Anode Voltage :		
Forward	... ..	1250 volts.
Inverse	... ..	1250 volts.
Max. Peak Anode Current	... ..	6.0 amps.
Max. Mean Anode Current	... ..	1.5 amps.
Max. Instantaneous Grid Current	... ..	50 mA.
Min. Heating Time	... ..	15 secs.
Max. Power Supply Frequency	... ..	400 c/s.
Temperature Range	... ..	-55°C to +80°C.
Max. Negative Control Grid Voltage :		
Before Conduction	... ..	500 volts.
After Conduction	... ..	12 volts.

### ELECTRICAL CHARACTERISTICS.

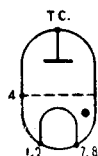
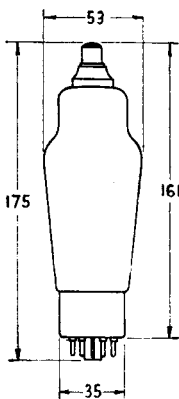
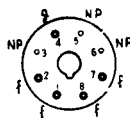
Peak Voltage Drop	... ..	16 volts.
Control Characteristics :		
DC Anode Voltage	26 500	1250 volts.
DC Grid Voltage	0 -4.0	-6.8 volts.
Min. Grid Circuit Resistance	... ..	1000 ohms.

### INTERELECTRODE CAPACITANCES :

Grid to Anode	... ..	1.8 pF.
Grid to Filament	... ..	5.8 pF.

GLI

TC  

All dimensions shown are in millimetres. (max.)



\*It is essential to connect one side of the filament supply to both pins 1 and 2, and the other side to both pins 7 and 8.

GLI



### CRITICAL CONTROL GRID VOLTAGE CHARACTERISTIC

