

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 $\frac{7}{8}$ ins.).
Max. Seated Height	161 mm. (6 $\frac{1}{2}$ 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.

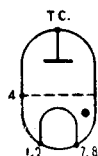
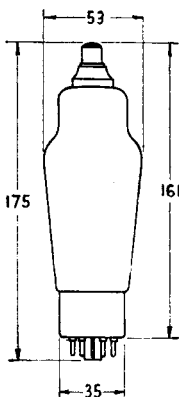
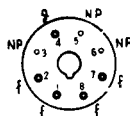
Peak Voltage Drop	16 volts.
Control Characteristics :		
DC Anode Voltage	26 500	1250 volts.
DC Grid Voltage	0 -4.0	-6.8 volts.
Min. Grid Circuit Resistance	1000 ohms.

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

