

FERRANTI**VARIABLE-MU R.F. PENTODE**

An indirectly heated, single ended, variable-mu R.F. Pentode designed for use in the I.F. or R.F. stages of radio receivers. The internal screening, connected to the cathode, will provide sufficient shielding except in the case of very high gain circuits.

PHYSICAL DETAILS.

Base	...	...	...	International Octal. (Small Wafer-metal Sleeve.)
Max. Overall Length	...	...	...	84 mm. ($3\frac{3}{8}$ in.).
Max. Seated Height	...	...	...	70 mm. ($2\frac{7}{8}$ in.).
Max. Diameter (Base)	...	...	...	34 mm. ($1\frac{3}{8}$ in.).
Max. Base Sleeve Diameter	...	...	...	34 mm. ($1\frac{5}{16}$ in.).
Mounting Position	...	...	...	Any.

BASE CONNECTIONS.

Pin 1—Base Sleeve.	Pin 5—Cathode.
Pin 2—Heater.	Pin 6—Screen Grid.
Pin 3—Suppressor Grid.	Pin 7—Heater.
Pin 4—Control Grid.	Pin 8—Anode.

HEATER.

Heater Voltage	...	...	...	6.3 volts.
Heater Current	...	...	...	0.3 amp.

RATINGS.

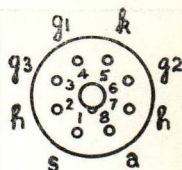
Max. Anode Voltage	...	...	...	300 volts.
Max. Screen Voltage	...	...	...	125 volts.
Max. Anode Dissipation	...	...	...	4.0 watts.
Max. Screen Dissipation	...	...	...	0.4 watts.
Max. Heater-Cathode Voltage	...	...	...	100 volts DC.
Min. Grid Voltage	...	...	...	0 volts.

TYPICAL OPERATION.

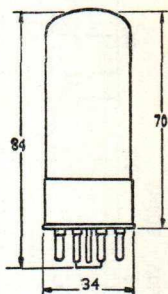
Anode Voltage	...	...	100	250	volts.
Screen Voltage	...	...	100	100	volts.
Suppressor Grid	...	...	Connect to	Cathode.	
Grid Voltage	...	...	-1	-3	volts.
Auto Bias Resistor	...	...	60	260	ohms.
Anode Current	...	...	13.0	9.2	mA.
Screen Current	...	...	4.0	2.6	mA.
Mutual Conductance	...	...	2.35	2.0	mA/V.
Anode Impedance	...	...	0.12	0.8	MΩ (approx.).
Grid Volts for Cut-off	...	...	-35	-35	volts.

CAPACITANCES.

C_{in}	...	...	...	6.5	pF.
C_{out}	...	...	...	7.5	pF.
C_{a-g}	...	...	...	0.005	pF.

6SK7GT

**Base
Connections
Underside View
of Base**



All Dimensions
shown are in
millimetres
(Max.).



6SK7GT

