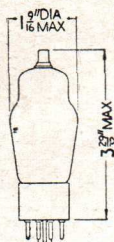
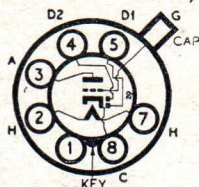


TYPES 6Q7G, 6Q7GT (OCTAL BASE)

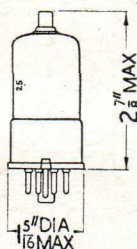


6Q7G.



Note.—Type 6Q7GT has Pin 1 connected to metal shell.

DOUBLE DIODE TRIODES



6Q7GT.

The BRIMAR types 6Q7G, 6Q7GT are indirectly heated double diode triodes suitable for use as detector, A.V.C. and L.F. amplifiers in radio equipment. With the exception of their overall dimensions and inter-electrode capacitances, types 6Q7G and 6Q7GT have identical characteristics.

RATINGS

Heater Voltage	...	...	...	...	...	6.3 volts
Heater Current	...	...	...	...	...	0.3 amp.
Anode Voltage	...	...	...	...	...	300 volts max.
Grid Voltage	...	...	...	...	...	0 volts min.

OPERATING CHARACTERISTICS

Anode Voltage	...	...	...	...	100	250	volts
Anode Current	...	...	...	...	0.35	1.0	mA
Grid Voltage	...	...	...	...	-1.5	-3	volts
Anode Impedance	...	...	...	...	88,000	58,000	ohms
Mutual Conductance	...	...	...	...	0.8	1.2	mA/V
Amplification Factor	...	...	...	...	70	70	

OPERATION AS RESISTANCE COUPLED AMPLIFIER

Anode Supply Voltage	...	...	...	100	250	250	volts
Anode Load Resistor	...	...	...	0.5	0.25	0.25	meg.
Grid Resistor	...	...	...	1.0	1.0	10	meg.
Cathode Bias Resistor	...	...	...	9,000	3,000	0	ohms
Peak Output	...	...	...	16	43	40	volts
Stage Gain*	...	...	...	33	42	42	
Harmonic Distortion*	...	...	...	2	1	5	percent.

* Figures are for 12 volt peak output.

INTER-ELECTRODE CAPACITANCES†

	6Q7G	6Q7GT
Grid to Cathode	3.0	2.0 pF
Anode to Cathode	5.0	5.0 pF
Grid to Anode	1.5	1.6 pF
Diode (1 or 2) to Cathode	2.2	2.1 pF

† With close fitting shield connected to Cathode.

6Q7G

