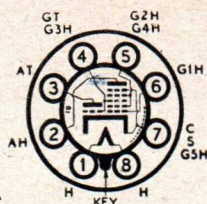


TYPE 757

(LOCTAL BASE)

TRIODE-HEPTODE

FREQUENCY CHANGER



The BRIMAR type 757 is an indirectly heated triode-heptode of the "all glass" construction, fitted with a lock-in type base. Type 757 features high conversion, together with high anode impedance and will operate efficiently at frequencies up to 100 Mc/s.

RATINGS

Heater Voltage	...	...	...	...	...	6.3 volts
Heater Current	...	...	...	...	...	0.3 amp.
Heptode Anode Voltage	...	...	...	...	...	250 volts max.
Heptode Screen (G2, G4) Voltage	...	...	...	...	...	100 volts max.
Triode Anode Supply Voltage	...	...	...	...	...	250 volts max.
Total Cathode Current	...	...	...	...	...	13 mA max.

OPERATING CHARACTERISTICS

Heptode Anode Voltage	...	...	...	100	250	volts
Heptode Anode Current	...	...	...	1.9	1.9	mA
Heptode Screen Voltage	...	...	...	100	100	volts
Heptode Screen Current	...	...	...	3.0	3.0	mA
Heptode Control Grid (G1) Voltage	...	...	...	-2	-2	volts
Cathode Bias Resistor	...	...	...	250	200	ohms
Heptode Anode Impedance	...	...	...	0.5	1.25	meg.
Triode Anode Supply Voltage	...	...	...	100	250	volts
Triode Anode Resistor	...	...	...	-	20,000	ohms
Triode Anode Voltage	...	...	...	100	150	volts
Triode Anode Current	...	...	...	3.0	5.0	mA
Triode Grid Current	...	...	...	0.3	0.4	mA
Triode Grid Resistor	...	...	...	50,000	50,000	ohms
Conversion Conductance	...	...	...	0.5	0.53	mA/V
Heptode Control Grid Voltage	...	...	...	-21	-21	volts

(For Conversion Conductance of 0.005 mA/V)

INTER-ELECTRODE CAPACITANCES*

R.F. Input (G1 to all except Ah)	...	...	...	...	8.0	pF
I.F. Output (Ah to all except G1)	...	...	...	...	5.0	pF
Oscillator Input (Gt to all except At)	...	...	...	...	6.2	pF
Oscillator Output (At to all except Gt)	...	...	...	...	2.2	pF
Control Grid (G1) to Heptode Anode (Ah)	...	...	...	...	0.03	pF max.
Oscillator Grid (Gt) to Oscillator Anode (At)	...	...	...	...	1.0	pF

* With close fitting shield connected to Cathode.

