NATIONAL UNION RADIO CORPORATION August 1, 1951

TENTATIVE CHARACTERISTICS

6113

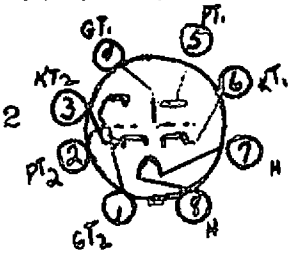
LOW MICROPHONIC TWIN TRIODE AMPLIFIER

MECHANICAL DATA

Coated Unipotential cathode
Outline drawing Bulb T-9

Base B8-6 Intermediate Shell octal 8-pin
Maximum diameter.....1-5/16"
Maximum overall length .....3-5/16"
Maximum seated height..... 2-3/4"
Pin connections..... 8BD

Pin 1 - Grid T-2
Pin 2- Plate T-2
Pin 3 - Cathode T-2
Pin 4 - Grid T-1



Pin 5 - Plate T-1
Pin 6 - Cathode T-1
Pin 7- Heater
Pin 8 - Heater

Mounting Position any

ELECTRICAL DATA

Ratings	Per Triode
Heater voltage (A.C. or D.C.)	6.3 volts
Heater current	0.3 amperes
Maximum plate voltage	250 volts
Minimum grid voltage	0 volts
Maximum plate dissipation	1 watt
Maximum microphonism **	50 milliwatts*

* Where power amplifier gain has been adjusted for 50 milliwatts output at an input sensitivity of 70 millivolts.

** Rp= 0.2 Megohm and triodes are connected in parallel.

Typical Operating Conditions and Characteristics.

Class A1 Amplifier Per Unit

Plate voltage	250 volts
Grid voltage	-2 volts
Plate current	2.3 MA.
Transconductance	1600 µmhos
Plate resistance	44000 ohms
Amplification factor	70

Direct Interelectrode Capacitances.

Cap. Grid to Plate	2.8 µufds
Cap. In	3.0 µufds
Cap. Out	3.8 µufds
Plate to Plate	0.4 µufds
Grid to Grid	0.65 µufds
Grid T2 to Plate T1	0.13 µufds.