

TENTATIVE CHARACTERISTICS

6113

LOW MICROPHONIC TWIN TRIODE AMPLIFIER

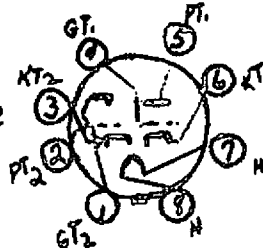
MECHANICAL DATACoated Unipotential cathode
Outline drawing

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 DATARatingsPer 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 μ mhos
Plate resistance.....	44000 ohms
Amplification factor.....	70

Direct Interelectrode Capacitances.

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