

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 length3-5/16"
 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 voltage250 volts
 Minimum grid voltage.....0 volts
 Maximum plate dissipation......1 watt
 Maximum microphonism **50 milliwatts⁴

* 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 current2.3 MA.
 Transconductance1600 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.