

## TYPE 6391

The 6391 is a subminiature low microphony voltage amplifying pentode.

### PHYSICAL SPECIFICATIONS.

|                       |                             |
|-----------------------|-----------------------------|
| Base                  | Special 8-lead subminiature |
| Bulb                  | Glass T-3                   |
| Maximum bulb length   | 1-1/2" (38 mm.)             |
| Maximum bulb diameter | 0.4" (10.16 mm.)            |
| Minimum lead length   | 1-9/32" (32 mm.)            |
| Mounting position     | Any                         |

### GENERAL ELECTRICAL DATA

|                |           |
|----------------|-----------|
| Heater Voltage | 6.3 volts |
| Heater Current | 0.2 amps  |

To reduce the possibility of hum the heater should be operated from D.C.

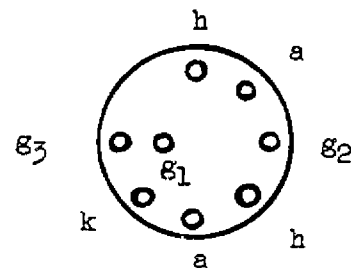
### ELECTRODE CAPACITANCES - (Measured with external shield)

|               |                      |
|---------------|----------------------|
| Plate to grid | < 0.15 $\mu\text{F}$ |
| Input         | 4 $\mu\text{F}$      |
| Output        | 5 $\mu\text{F}$      |

### MAXIMUM RATINGS - (Design Centre Values)

|                        |           |
|------------------------|-----------|
| Plate voltage          | 175 volts |
| Plate dissipation      | 1.0 watts |
| Grid No. 2 voltage     | 175 volts |
| Grid No. 2 dissipation | 0.4 watt  |
| Cathode current        | 10 mamps  |

### BASING



SPECIAL 8-LEAD BASE

### CHARACTERISTICS

|                    |                 |
|--------------------|-----------------|
| Plate voltage      | 100 volts       |
| Grid No. 3 voltage | 0 volts         |
| Grid No. 2 voltage | 100 volts       |
| Plate current      | 7.0 mamps       |
| Grid No. 2 current | 2.2 mamps       |
| Grid No. 1 voltage | -1.4 volts      |
| Mutual conductance | 3,000 micromhos |
| Anode impedance    | 180,000 ohms    |

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