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THYRATRON

MERCURY-VAPOR TRIODE

DATA**Electrical:****Filament:**

| | | |
|---|------|----------|
| Voltage* | 2.5 | volts |
| Current | 6.0 | amp |
| Direct Interelectrode Capacitance: | | |
| Anode to Grid (Approx.) | 2.5 | μf |
| Peak Voltage Drop | 12 | volts |
| Control Characteristic . Negative | | |
| Ionization Time (Approx.) | 10 | μseconds |
| Deionization Time (Approx.) | 1000 | μseconds |

Mechanical:

| | |
|-------------------|-------------------------------|
| Mounting Position | Vertical, Base Down |
| Overall Length | 6-3/8" ± 1/4" |
| Seated Length | 6" ± 1/4" |
| Maximum Diameter | 2-1/16" |
| Bulb | S-19 |
| Cap. | Medium Metal |
| Base | Small Shell Super-Jumbo 4-Pin |

Maximum Ratings, Absolute Values:

For frequencies up to 150 cycles

| | | |
|--|-----------|-------|
| PEAK FORWARD ANODE VOLTAGE | 1250 max. | volts |
| PEAK INVERSE ANODE VOLTAGE | 2500 max. | volts |
| PEAK GRID VOLT. (Before Conduction) | -500 max. | volts |
| PEAK ANODE CURRENT | 2.5 max. | amp |
| AVERAGE ANODE CURRENT** | 0.64 max. | amp |
| SURGE ANODE CURRENT for 0.1 sec. max. | 25 max. | amp |
| GRID CURRENT, Before Conduction(Grid Neg.) | 4 max. | μamp |
| PEAK GRID CURRENT | 0.25 max. | amp |
| AVERAGE GRID CURRENT** | 0.06 max. | amp |
| COND.-MERCURY TEMPERATURE RANGE ▲ | 25-70 | °C |

* Filament voltage must be applied at least 10 seconds before start of tube conduction.

** Averaged over any 30-second interval.

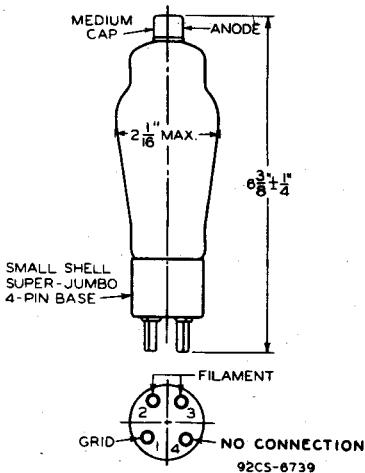
▲ Recommended Condensed-Mercury Temperature 40 to 45°C.

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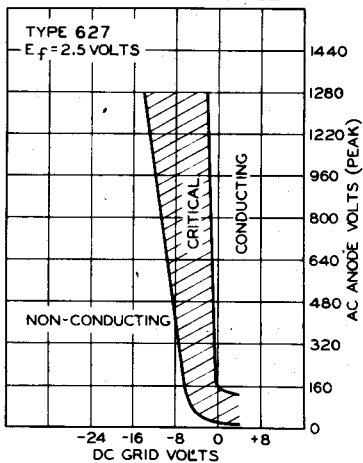


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OPERATIONAL REGION OF CRITICAL GRID VOLTAGE



MAY 1, 1946

TUBE DIVISION
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

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