672-A
THYRATRON
MERCURY-VAPOR TETRODE
Supersedes Type 672

GENERAL DATA

Electrical:
Heater, for Unipotential Cathode:
  Voltage: 5 ac or dc volts
  Current: 5 amp
Cathode:
  Min. Heating Time, prior to tube conduction: 5 minutes
Direct Interelectrode Capacitances:
  Grid No.1 to Anode: 0.04 \(\mu\)f
  Grid No.2 to Anode: 3 \(\mu\)f
Ionization Time (Approx.): 10 \(\mu\)sec
Deionization Time (Approx.): 1000 \(\mu\)sec
Maximum Critical Grid Current: 2 \(\mu\)amp
Anode Voltage Drop (Approx.): 12 volts

Mechanical:
Mounting Position: Vertical, Base Down
Overall Length: 7-7/8" ± 1/4"
Seated Length: 7-1/8" ± 1/4"
Maximum Diameter: 2-5/16"
Bulb: T-18
Cap: Skirted Medium
Base: Large-Shell Super-Jumbo 4-Pin, Bayonet
Basing Designation for BOTTOM VIEW: 4CE

GRID-CONTROLLED RECTIFIER SERVICE
For frequencies up to 150 cycles

Maximum Ratings, Absolute Values:
PEAK ANODE VOLTAGE:
  Forward: 2500 max. volts
  Inverse: 2500 max. volts
GRID-No.2 (SHIELD-GRID) VOLTAGE:
  Peak, before anode conduction: -300 max. volts
GRID-No.1 (CONTROL-GRID) VOLTAGE:
  Peak, before anode conduction: -1000 max. volts
CATHODE CURRENT:
  Peak: 40 max. amp
  Average: 3.2 max. amp
  Surge, for duration of 0.1 sec. max.: 150 max. amp

* See next page.
GRID-NO. 2 CURRENT:
Peak ........................................ 1 max. amp
Average* .................................... 0.25 max. amp

GRID-NO. 1 CURRENT:
Peak ........................................ 1 max. amp
Average* .................................... 0.25 max. amp

COND.-MERCURY TEMPERATURE RANGE ▲ ...... 40 to 80 °C

* Averaged over any interval of 15 sec. max.
▲ Recommended condensed-mercury temperature is between 45° and 50°C.

SKIRTED MEDIUM CAP
No 39002

ANODE TERMINAL

T18 BULB

LARGE-SHELL SUPER-JUMBO 4-PIN BAYONET BASE

BOTTOM VIEW OF BASE

92CS-6735R1

SEP. 30, 1948
TUBE DEPARTMENT
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY