VOLTAGE REGULATOR
MINIATURE GLOW–DISCHARGE TYPE

Intended for applications where very stable characteristics and dependable performance under shock and vibration are paramount: The 6073 is a "premium" version of the OA2.

DATA

General:
Cathode ........................................ Cold

Mechanical:
Mounting Position .......................... Any
Maximum Overall Length ..................... 2-5/8"
Maximum Seated Length ..................... 2-3/8"
Length, Base Seat to Bulb Top (Excluding tip) 2" ± 3/32"
Maximum Diameter .......................... 3/4"
Bulb .................................. T-5-1/2
Base ................................ Small-Button Miniature 7-Pin (JETEC No. E7-1)
Basing Designation for BOTTOM VIEW ........ 5B0

Pin 1–Anode
Pin 2–Cathode
Pin 3–Internal
Connection–Do Not Use
Pin 4–Cathode

Pin 5–Anode
Pin 6–Internal
Connection–Do Not Use
Pin 7–Cathode

Maximum Ratings, Absolute Values:

AVERAGE STARTING CURRENT (See note below) 75 max. ma
DC CATHODE CURRENT 30 max. ma
5 min. ma
AMBIENT TEMPERATURE RANGE -55 to +90 °C
FREQUENCY 0 max. cps

Characteristics Range Values for Equipment Design:

Min. Av. Max.

DC Anode–Supply Voltage 185 A
Anode Breakdown Voltage 156 185 volts
Anode Voltage Drop 140 151 168 volts
Regulation (5 to 30 ma) 2 6 volts

Circuit Values:
Shunt Capacitor – 0.1 μf
Series Resistor See note below

NOTE: The notes and circuit information shown under Type OA2 are also applicable to the 6073.


TENTATIVE DATA

MAY 1, 1952

RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY
VOLTAGE REGULATOR

Shock and Vibration Tests:
These tests are made as indicated in the JAN Specifications JAN 1-A for Electron Tubes, May, 1946 under the sections as follows:

Section F-6b (9e) Shock Test:
  Instantaneous Impact Acceleration . . . 900 max. g

Section F-6b (9f) Vibration Test:
  Vibrational Acceleration. . . . . . . . . . .2.5 max. g

* Not less than indicated supply voltage should be provided to insure "starting" throughout tube life.
* Maximum individual tube value during life.
* Minimum individual tube value during life.