



6073

# 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 0A2.*

6073  
PREMIUM TYPE

## DATA

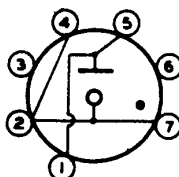
### General:

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"  $\pm$  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 . . . . . 5BQ

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 <sup>▲</sup> | -   | -    | volts |
| 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  $\mu$ f  
Series Resistor . . . . . See note below

NOTE: The notes and circuit information shown under Type 0A2 are also applicable to the 6073.

▲, ●, ★: See next page.

MAY 1, 1952

TUBE DEPARTMENT  
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

TENTATIVE DATA

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### 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.

MAY 1. 1952

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