



6074

VOLTAGE REGULATOR

MINIATURE GLOW-DISCHARGE TYPE

6074
PREMIUM TYPE

Intended for applications where very stable characteristics and dependable performance under shock and vibration are paramount. The 6074 is a "premium" version of the 0B2.

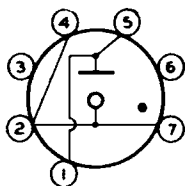
DATA**General:**

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. . . .	133 [▲]	-	-	volts
Anode Breakdown Voltage. . . .	-	115	133 [◆]	volts
Anode Voltage Drop	101 [★]	108	114 [◆]	volts
Regulation (5 to 30 ma). . . .	-	1	4 [◆]	volts

Circuit Values:

Shunt Capacitor. - - 0.1 μ f
 Series Resistor. See note below

NOTE: The notes and circuit information shown under Type 0A2 are also applicable to the 6074.

▲, ◆, ★: See next page.

MAY 1, 1952

TUBE DEPARTMENT

TENTATIVE DATA

RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

6074



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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. 9

Section F-6b (9f) Vibration Test:

Vibrational Acceleration. 2.5 max. 9

▲ 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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