RCA

6074 PREMIUM TYPE

6074

VOLTAGE REGULATOR

MINIATURE GLOW-DISCHARGE 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 OB2.

DATA

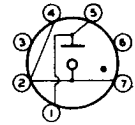
General:

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	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	μf
Series Resistor			See note below	

NOTE: The notes and circuit information shown under Type OA2 are also applicable to the 6074.

▲,●,★: See next page.

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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.

TUBE DEPARTMENT
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY