



ELECTRONIC TUBE REFERENCE

6074

Voltage Regulator electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

VOLTAGEREGULATOR

Premium rugged cold-cathode glow regulator related to 0B2, providing approximately 108 V stabilization for severe-environment equipment.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	— / —	PARALLEL HEATER	— / —
HEATING	Indirect; cold cathode	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Voltage Regulator	
REGULATOR VOLTAGE	108 V
MINIMUM REGULATOR CURRENT	5 mA
MAXIMUM REGULATOR CURRENT	30 mA
STARTING VOLTAGE	115 V
MAINTAINING VOLTAGE	108 V
Premium 0B2-type cold-cathode regulator; 5–30 mA operating range.	

The RCA 6074 is a cold-cathode voltage regulator based on 0B2 for shock- and vibration-critical service.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1940 RCA

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1940 RCA

Section 1 · Voltage Regulator

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode breakdown voltage	115 V	Average equipment-design value
Anode voltage drop	108 V	Average equipment-design value
Regulation	4 V	5 to 30 mA operating range



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1960 RCA Industrial and Communications Types

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1960 RCA INDUSTRIAL AND COMMUNICATIONS TYPES

Section 1 · Voltage Regulator

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Operating Voltage	108 V	Approximate
Starting Voltage	111 V	Approximate
Regulation Current Minimum	5 mA	—
Regulation Current Maximum	30 mA	—



1971 RCA HB3 Binder 2 of 7

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1971 RCA HB3 BINDER 2 OF 7

Section 1 · Voltage Regulator

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
DC anode-supply voltage	133 V	—
Maximum average starting current	75 mA	—
Maximum cathode current	30 mA	—
Minimum cathode current	5 mA	—
Ambient temperature minimum	-55 degC	—
Ambient temperature maximum	90 degC	—
Maximum shock	900 G	Ruggedized
Maximum vibration	2.5 G	Ruggedized

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode breakdown voltage	115 V	—
Anode voltage drop minimum	101 V	—
Anode voltage drop average	108 V	—
Anode voltage drop maximum	114 V	—
Regulation	1 V	5To30mA

TUBE TINKER

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