



ELECTRONIC TUBE REFERENCE

874

Voltage Regulator electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

VOLTAGEREGULATOR

Gas-filled cold-cathode voltage regulator for shunt stabilization of DC supplies over approximately 10–50 mA.

GENERAL CHARACTERISTICS

BASE DESIGNATION	–	BASE PINS	–
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	90 V
MINIMUM REGULATOR CURRENT	10 mA
MAXIMUM REGULATOR CURRENT	50 mA
STARTING VOLTAGE	125 V
MAINTAINING VOLTAGE	153 V
Source-derived section; identical dual beam-power sections compressed where applicable.	

Cold-cathode gas-discharge glow regulator tube for maintaining substantially constant voltage over a specified operating-current range.

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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
The	0 V	The 874 is a voltage regulator tube designed to maintain 0'0
STARTING SUPPLY VOLTAGE (D. C)	125 V	STARTING SUPPLY VOLTAGE (D. C)..... 125 min. Volts
OPERATING VOLTAGE (D. C.).vvnunnnnnnnns	90 V	OPERATING VOLTAGE (D. C.).vvnunnnnnnnns 90 Volts
OPERATING CURRENT (D. C.)..cvviuinennnnnnnnn	50 mA	OPERATING CURRENT (D. C.)..cvviuinennnnnnnnn. 10 to 50 Milliamperes
ConTiNUOUS CURRENT (D. C).vnennnnnnnnnn.,	50 mA	ConTiNUOUS CURRENT (D. C).vnennnnnnnnnn., 50 max. Milliamperes
MAXIMUM OVERALL LENGTH....vvvvvveerenrnnns	554 in	MAXIMUM OVERALL LENGTH....vvvvvveerenrnnns 554 Inches
MAXIMUM DIAMETER	234 in	MAXIMUM DIAMETER 0ivivunnninnnnnnennannnsns 234e Inches
current to	50 mA	current to 50 milliamperes when no load current is being drawn from the rectifier.
VOLTAGE RANGE veesen	60 V	VOLTAGE RANGE veesen.. 40to 60 40 to 60 Volts
OPERATING CURRENT ceerasans	2 A	OPERATING CURRENT ceerasans 1.7 2.0% Amperes
AMBIENT TEMPERATURE (Fahrenheit)	150 deg	AMBIENT TEMPERATURE (Fahrenheit).... 150 150 Degrees
MAxIMUM OVERALL LENGTH...cveeeenee	8 in	MAxIMUM OVERALL LENGTH...cveeeenee 8 8 Inches
MAXIMUM DIAMETER coovevnenes	2 in	MAXIMUM DIAMETER coovevnenes 2Yg 2Yp Inches
to the primary (or load) over a range of line voltage variation of	20 V	to the primary (or load) over a range of line voltage variation of 20 volts. The

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
average line voltage minus	50 V	average line voltage minus 50 volts. The primary current of the transformer
should be	886 A	should be 1.7 amperes for the 876 and 2.05 amperes for the 886. If less than this



SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1950 General Electric Transmitting Types

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

1950 GENERAL ELECTRIC TRANSMITTING TYPES

Section 1 · Voltage Regulator

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Regulator Voltage	153 V	—
Regulator Maintaining Voltage	153 V	—
Typical Anode Voltage Drop	153 V	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Regulator Maximum Current	50 mA	—

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes, and their source documents.

[Catalog](#) [Tube types](#) [Full books](#) [Blog](#) [Feedback & corrections](#)

© 2026 Tube Tinker