



ELECTRONIC TUBE REFERENCE

3A3C

Rectifier - TV Line Scan Boost electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

High-voltage vacuum rectifier for television flyback and picture-tube power supplies. It converts line-output pulses into CRT accelerating voltage.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	6
NOMINAL HEATER	3.15 V / 220 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Rectifier	
PEAK INVERSE VOLTAGE	38000 V
NOMINAL OUTPUT CURRENT	2 mA
PEAK FORWARD CURRENT	100 mA
FORWARD VOLTAGE DROP	60 V
<i>PIV total DC+peak; DC component 30000 V.</i>	

3A3C is a Rectifier vacuum tube documented in the RCA Receiving Tube Manual. The supplied excerpt was reviewed for heater or filament data, physical section arrangement, maximum ratings, electrical characteristics, capacitances, and stated application.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1968 General Electric Co

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

1968 GENERAL ELECTRIC CO

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak Inverse Voltage DC Component	30000 V	AbsoluteMaximum



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1975 RCA RC30

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

1975 RCA RC30

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage (ac)	3.16 V	Heater Voltage (ac) 3.16 volts
Heater Current	220 mA	Heater Current 0.22 ampere
Peak Plate Current	100 mA	Peak Plate Current 100 mA
Average Plate Current	2 mA	Average Plate Current 2 mA
Tube Voltage Drop (Approx.) for plate current of	7 mA	Tube Voltage Drop (Approx.) for plate current of 7 mA 100 volts
Filament Voltage (de) 2.8	1.4 V	Filament Voltage (de) 2.8 1.4 volts
Filament Current 0.11	220 mA	Filament Current 0.11 0.22 ampere
Peak inverse plate voltage	38000 V	Published rectifier rating
Average output/plate current	2 mA	Published rectifier operating/rating value

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	3.16 V	Rated heater/filament condition
Tube voltage drop	100 V	Published instantaneous characteristic

TUBE TINKER

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