

ELECTRONIC TUBE REFERENCE

3CZ3A

Rectifier - TV Line Scan Boost electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

High-voltage pulsed rectifier for television flyback-derived CRT power supplies. Its specialized high-voltage construction is intended to rectify horizontal-output pulses rather than ordinary line-frequency power.

GENERAL CHARACTERISTICS

BASE DESIGNATION	8EZ	BASE PINS	8
NOMINAL HEATER	3.15 V / 480 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

8EZ - TERMINAL PINOUT

TERMINAL	SECTION	ELEMENT	STATUS
PIN1 – IC	–	–	IC
PIN2 – H	–	H – Heater	CONNECTED
PIN3 – IC	–	–	IC
PIN5 – IC	–	–	IC
PIN7 – K	A	K – Cathode	CONNECTED
PIN7 – H	–	H – Heater	CONNECTED
CAP1 – P	A	P – Plate (Anode)	CONNECTED

SECTION RATINGS

SECTION1 Rectifier	
PEAK INVERSE VOLTAGE	38000 V
NOMINAL OUTPUT CURRENT	2.2 mA
PEAK FORWARD CURRENT	110 mA
FORWARD VOLTAGE DROP	60 V
<i>Pulsed</i>	

A vacuum rectifier documented for television or power-supply service.



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 absolute maximum voltage	3.65 V	FlybackRectifier
Heater absolute minimum voltage	2.65 V	FlybackRectifier

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
X-radiation maximum	25 mR/hr	LotSamplingBasis

TUBE TINKER

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

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