



ELECTRONIC TUBE REFERENCE

3CY3

Rectifier - TV Line Scan Boost electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

High-voltage television rectifier in the 3DB3/3CY3 family, designed for pulsed flyback-derived picture-tube power supplies. Its function is specialized CRT high-voltage generation rather than conventional mains rectification.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	3.15 V / 245 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
PEAK INVERSE VOLTAGE	38000 V
NOMINAL OUTPUT CURRENT	2 mA
PEAK FORWARD CURRENT	100 mA
FORWARD VOLTAGE DROP	60 V
<i>Flyback</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

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