



ELECTRONIC TUBE REFERENCE

3DF3A

Rectifier - TV Line Scan Boost electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

RECTIFIER

High-voltage television flyback rectifier designed to convert horizontal-output transformer pulses into the DC accelerating supply required by the picture tube.

GENERAL CHARACTERISTICS

BASE DESIGNATION	8MT	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

SECTION RATINGS

SECTION 1 Rectifier	
PEAK INVERSE VOLTAGE	38000 V
NOMINAL OUTPUT CURRENT	2.2 mA
PEAK FORWARD CURRENT	110 mA
FORWARD VOLTAGE DROP	60 V
Flyback	

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	8 mR/hr	LotSamplingBasis