

ELECTRONIC TUBE REFERENCE

2AH2

Rectifier - TV Line Scan Boost electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

Duodecar high-voltage vacuum rectifier for supplying picture-tube anode voltage in television receivers. Its specialized construction supports flyback-derived CRT accelerating-voltage service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	12JB	BASE PINS	12
NOMINAL HEATER	2.5 V / 330 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
PEAK INVERSE VOLTAGE	30000 V
NOMINAL OUTPUT CURRENT	1.5 mA
PEAK FORWARD CURRENT	80 mA
FORWARD VOLTAGE DROP	60 V
Promoted from semantically identified published ratings/characteristics; additional values preserved as section parameters.	

Duodecar half-wave high-voltage vacuum rectifier for supplying picture-tube anode voltage in television receivers; source cross-references 2BU2/2AH2.

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
Peak Plate Current	80 mA	Published in approved target datasheet entry
Average Plate Current	1.5 mA	Published in approved target datasheet entry
Absolute-maximum value	2.9 V	Published in approved target datasheet entry
Absolute-minimum value	2.1 V	Published in approved target datasheet entry
Tube Voltage Drop (Approx.), for plate current of	7 mA	Published in approved target datasheet entry
Tube Voltage Drop (Approx.), for plate current of 7 mA	60 V	Published in approved target datasheet entry

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Statistical value controlled on a lot sampling basis	0.5 mR/hr	Published in approved target datasheet entry
The dc component must not exceed	24000 V	Published in approved target datasheet entry