



ELECTRONIC TUBE REFERENCE

3BH2

Rectifier - TV Line Scan Boost electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

RECTIFIER

High-voltage rectifier diode for color television receivers. Its specialized role is picture-tube high-voltage generation from the television line-output system.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	3.15 V / 370 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Rectifier	
PEAK INVERSE VOLTAGE	35000 V
NOMINAL OUTPUT CURRENT	1.7 mA
Absolute maximum negative plate-to-cathode voltage 35 kV; X-ray shielding warning published.	

High-voltage rectifier diode intended for color television receivers; the datasheet warns that X-ray shielding may be required.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1953 Amperex

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

1953 AMPEREX

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum output voltage	27500 V	—
Typical output voltage	25000 V	—
Typical plate current	1.5 mA	—

TUBE TINKER

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and their source documents.

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