



ELECTRONIC TUBE REFERENCE

1BC2B

Rectifier - TV Line Scan Boost electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

RECTIFIER

Shielded filamentary television flyback/EHT rectifier designed to generate CRT accelerating voltage from horizontal-output pulses, with built-in X-radiation shielding for high-voltage operation.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	1.25 V / 200 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Rectifier	
MAXIMUM CATHODE CURRENT	0.5 mA
PEAK INVERSE VOLTAGE	18000 V
NOMINAL OUTPUT CURRENT	0.5 mA
PEAK FORWARD CURRENT	45 mA

The 1BC2-B is a filamentary diode designed as the high-voltage rectifier in television receivers, primarily for flyback power supplies, with built-in X-radiation shielding and controls to reduce radiation output.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1968 General Electric Co

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

1968 GENERAL ELECTRIC CO

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak inverse plate voltage DC component	15000 V	FlybackRectifier
Peak inverse plate voltage total DC and peak	18000 V	FlybackRectifier
Steady state peak plate current	45 mA	FlybackRectifier
DC output current	0.5 mA	FlybackRectifier

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Interelectrode capacitance	1 pF	—