

ELECTRONIC TUBE REFERENCE

6S2

Rectifier - TV Line Scan Boost electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

Indirectly heated high-voltage half-wave rectifier explicitly designed for television EHT supplies driven from line-timebase flyback pulses, converting horizontal-scan energy into the CRT accelerating-voltage supply.

GENERAL CHARACTERISTICS

BASE DESIGNATION	B9A	BASE PINS	9
NOMINAL HEATER	6.3 V / 90 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
PEAK INVERSE VOLTAGE	24000 V
NOMINAL OUTPUT CURRENT	3 mA
PEAK FORWARD CURRENT	40 mA
Published Rogers/JETEC/RMA ratings and characteristics promoted where applicable; additional data retained as parameters.	

Indirectly heated high-voltage half-wave rectifier for television EHT supplies driven from line-timebase flyback pulses.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1959 Rogers

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

1959 ROGERS

Section 1 · Rectifier

APPLICATION

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	Television EHT rectifier	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1961 Ferranti Technical Handbook

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

1961 FERRANTI TECHNICAL HANDBOOK

Section 1 · Rectifier

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak inverse voltage	22 kV	PulseInput
Rectified current maximum	800 uA	PulseInput
Peak plate current maximum	40 mA	PulseInput
Reservoir capacitance maximum	2000 pF	PulseInput
RMS input voltage maximum	5 kV	SinusoidalInput
Rectified current maximum	3 mA	SinusoidalInput
Reservoir capacitance maximum	0.2 uF	SinusoidalInput
Minimum limiting resistance	100 kOhm	SinusoidalInput
X-ray shielding threshold	6 kV	ShieldingMayBeRequiredAboveThisPlateVoltage

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate-to-heater/cathode/shield capacitance	1.8 pF	—

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