



ELECTRONIC TUBE REFERENCE

2AZ2

Rectifier - TV Line Scan Boost electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

RECTIFIER

Miniature directly heated high-voltage rectifier specifically for television flyback supplies. It converts horizontal-output transformer pulses into CRT accelerating voltage at low average current.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	2 V / 200 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Rectifier	
PEAK INVERSE VOLTAGE	22000 V
NOMINAL OUTPUT CURRENT	0.5 mA
PEAK FORWARD CURRENT	45 mA
<i>Published source ratings and characteristics promoted where applicable; additional electrical and operating data retained as parameters.</i>	

Miniature directly heated high-voltage half-wave rectifier for television flyback supplies.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1964 RMA EIA

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

1964 RMA EIA

Section 1 · Rectifier

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Tube voltage drop at 7 mA	70 V	—

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Total DC+peak inverse voltage maximum	22000 V	—
DC inverse voltage maximum	18000 V	—
Peak plate current maximum	45 mA	—
Average plate current maximum	0.5 mA	—

CAPACITANCE

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate-to-all capacitance maximum	1.1 pF	—