



ELECTRONIC TUBE REFERENCE

A2272

Rectifier - TV Line Scan Boost electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

RECTIFIER

Indirectly heated high-voltage vacuum diode for rectifier or inverse-diode service at elevated ambient temperatures, providing approximately 16 kV inverse-voltage capability.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 1.6 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
MAXIMUM PLATE DISSIPATION	10 W
PEAK INVERSE VOLTAGE	16000 V
NOMINAL OUTPUT CURRENT	100 mA
PEAK FORWARD CURRENT	600 mA
MAXIMUM HEATER-CATHODE VOLTAGE	250 V
WARM-UP TIME	60 s
<i>Published maximum ratings and characteristics audited; remaining useful numerical data retained in TUBE_SECTION_PARAMETER.</i>	

The A2272 is a high-voltage vacuum diode with an indirectly heated cathode, suitable for rectifier or inverse-diode service at high ambient temperatures.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1955 Marconi

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

1955 MARCONI

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HIGH VOLTAGE DIODE RA2	272 V	HIGH VOLTAGE DIODE RA2272
*Ia {pulse} [1]	7	*Ia {pulse} 7-5 max. A
*Ia {pulse} [2]	-5	*Ia {pulse} 7-5 max. A
Max. frequency of fault= [1]	1	Max. frequency of fault=1 per 5 minutes.
Max. frequency of fault= [2]	5	Max. frequency of fault=1 per 5 minutes.
Heater voltage	6.3 V	Published heater rating.
Heater current	1.6 A	Approximate published heater current.
Peak inverse voltage	16000 V	Maximum rating in rectifier and inverse-diode service.
DC output current	100 mA	Maximum rectifier rating.
Peak cathode current	600 mA	Maximum rectifier rating.
Surge anode current	2 A	Maximum rectifier rating.
Warmup time	60 s	Minimum heater warmup time.

TUBE TINKER

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