



ELECTRONIC TUBE REFERENCE

2V3G

Rectifier - TV Line Scan Boost electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

Directly heated high-voltage half-wave vacuum rectifier for supplying the high DC voltage required by kinescopes and cathode-ray tubes. Its high inverse-voltage capability suits CRT EHT supplies.

GENERAL CHARACTERISTICS

BASE DESIGNATION	4Y	BASE PINS	7
NOMINAL HEATER	2.5 V / 5 A	PARALLEL HEATER	– / –
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
PEAK INVERSE VOLTAGE	16500 V
NOMINAL OUTPUT CURRENT	2 mA
PEAK FORWARD CURRENT	12 mA
<i>Published promoted fields populated from Maximum Ratings / Characteristics / Typical Operation headings.</i>	

Directly heated high-voltage half-wave vacuum rectifier for supplying the high DC voltages required by kinescopes and cathode-ray tubes.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1940 RCA

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

1940 RCA

Section 1 · Rectifier

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater or filament voltage	2.5 V	Published nominal value
Heater or filament current	5 A	Published nominal value

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak inverse voltage	16500 V	Published
Peak plate current	12 mA	Published
Average plate current	2 mA	Published



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

195X General Electric Essential Characteristics

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

195X GENERAL ELECTRIC ESSENTIAL CHARACTERISTICS

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
DC output current maximum	2 mA	HalfWave
Peak inverse voltage maximum	16500 V	HalfWave
Peak current maximum	12 mA	HalfWave

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1961 Tung Sol

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

1961 TUNG SOL

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak Inverse Voltage	12500 V	HighVoltageRectifier