



ELECTRONIC TUBE REFERENCE

3B29

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

RECTIFIER

Rugged high-vacuum diode for clipping and high-voltage rectifier service. Its heavy heater and high inverse-voltage capability suit demanding professional pulse and power-supply applications.

GENERAL CHARACTERISTICS

BASE DESIGNATION	SEE DATA	BASE PINS	4
NOMINAL HEATER	2.5 V / 4.75 A	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
PEAK INVERSE VOLTAGE	16000 V
NOMINAL OUTPUT CURRENT	65 mA
PEAK FORWARD CURRENT	250 mA
FORWARD VOLTAGE DROP	130 V
<i>Promoted only from clearly identified printed ratings/characteristics; additional published operating points retained in TUBE_SECTION_PARAMETER.</i>	

Rugged high-vacuum diode for clipper or high-voltage rectifier service.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1938 Raytheon

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

1938 RAYTHEON

Section 1 · Rectifier

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater or filament voltage	2.5 V	Published nominal value
Heater or filament current	4.75 A	Published nominal value

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak inverse voltage	16000 V	Published rating
Average or DC output current	64 mA	Published rating
Peak forward current	250 mA	Published rating



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

195X Raytheon Special Purpose Tubes

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

195X RAYTHEON SPECIAL PURPOSE TUBES

Section 1 · Rectifier

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak inverse voltage maximum	16000 V	HalfWave
Peak plate current maximum	250 mA	HalfWave
DC output current maximum	65 mA	HalfWave

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Average tube voltage drop	130 V	HalfWave

TUBE TINKER

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