



ELECTRONIC TUBE REFERENCE

5647

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

RECTIFIER

Premium subminiature cathode-type half-wave rectifier for low-current compact electronics. Its low heater demand and low forward drop suit auxiliary DC supplies and instrumentation.

GENERAL CHARACTERISTICS

BASE DESIGNATION	5647	BASE PINS	4
NOMINAL HEATER	6.3 V / 150 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Rectifier	
PEAK INVERSE VOLTAGE	460 V
NOMINAL OUTPUT CURRENT	10 mA
PEAK FORWARD CURRENT	60 mA
FORWARD VOLTAGE DROP	2.8 V
<i>High-frequency half-wave diode section.</i>	

Premium subminiature cathode-type diode rectifier.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1950 Sylvania

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

1950 SYLVANIA

Section 1 · Rectifier

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterOrFilamentVoltage	6.3 V	—
HeaterOrFilamentCurrent	150 mA	—



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
Maximum Peak Inverse Voltage	460 V	HalfWave
Maximum DC Output Current	10 mA	HalfWave
Maximum Peak Current	60 mA	HalfWave
Maximum RMS Supply Voltage	165 V	HalfWave

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Forward Voltage Drop	2.8 V	HalfWave

TUBE TINKER

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and their source documents.

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