



ELECTRONIC TUBE REFERENCE

5690

Rectifier - Full Wave electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

RECTIFIER-RECTIFIER

Industrial dual-diode full-wave high-vacuum rectifier with separate heater-cathode systems. Its robust construction and substantial inverse-voltage capability suit reliable professional power-supply service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	5690	BASE PINS	—
NOMINAL HEATER	6.3 V / 600 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Common cathode	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
PEAK INVERSE VOLTAGE	1120 V
NOMINAL OUTPUT CURRENT	125 mA
PEAK FORWARD CURRENT	375 mA
FORWARD VOLTAGE DROP	17 V
<i>One of two equivalent full-wave rectifier diode sections; identical-section compression applied.</i>	

SECTION2 Rectifier	
PEAK INVERSE VOLTAGE	1120 V
NOMINAL OUTPUT CURRENT	125 mA
PEAK FORWARD CURRENT	375 mA
FORWARD VOLTAGE DROP	17 V
<i>Second physical rectifier section; electrical properties populated from applicable published ratings.</i>	

Industrial dual-diode full-wave vacuum rectifier with separate heater-cathode sections.

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	125 mA	FullWave
Peak inverse voltage	1120 V	FullWave
RMS supply voltage per plate	350 V	FullWave
Peak current per plate	375 mA	FullWave

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Tube voltage drop	17 V	At150mADC

195X GENERAL ELECTRIC ESSENTIAL CHARACTERISTICS

Section 2 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
DC output current	125 mA	FullWave
DC output current	125 mA	FullWave
Peak inverse voltage	1120 V	FullWave
RMS supply voltage per plate	350 V	FullWave
Peak current per plate	375 mA	FullWave

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Tube voltage drop	17 V	At150mADC



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1960 RCA Industrial and Communications Types

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

1960 RCA INDUSTRIAL AND COMMUNICATIONS TYPES

Section 1 · Rectifier

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Rectifier service	Full-wave with inductive-input filter	ChokeInputFilter

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
AC volts per plate RMS maximum	350 V	—

1960 RCA INDUSTRIAL AND COMMUNICATIONS TYPES

Section 2 · Rectifier

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Rectifier service	Full-wave with inductive-input filter	ChokeInputFilter

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
AC volts per plate RMS maximum	350 V	—

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes, and their source documents.

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