



ELECTRONIC TUBE REFERENCE

5X3

Rectifier - Full Wave electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

RECTIFIER-RECTIFIER

Filament-type full-wave high-vacuum rectifier for relatively high-voltage, low-current supplies in cathode-ray oscillograph and television circuits. Its unusually high inverse-voltage capability distinguishes it from ordinary receiver rectifiers.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	5 V / 2 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
PEAK INVERSE VOLTAGE	3600 V
NOMINAL OUTPUT CURRENT	30 mA
Published section data promoted where applicable; additional operating values retained as parameters.	

SECTION2 Rectifier	
PEAK INVERSE VOLTAGE	3600 V
NOMINAL OUTPUT CURRENT	30 mA
Second physical rectifier section; electrical properties populated from corresponding identical section.	

Filament-type full-wave high-vacuum rectifier for relatively high voltage and low current in cathode-ray oscillograph and television circuits.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1939 Arcturus

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

1939 ARCTURUS

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
AC voltage RMS per plate	1275 V	—
Peak inverse voltage	3600 V	—
DC output current	30 mA	—
AC voltage RMS per plate	400 V	LowVoltage
DC output current	110 mA	LowVoltage

1939 ARCTURUS

Section 2 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
AC voltage RMS per plate	1275 V	—
Peak inverse voltage	3600 V	—
DC output current	30 mA	—
AC voltage RMS per plate	400 V	LowVoltage
DC output current	110 mA	LowVoltage

TUBE TINKER

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and their source documents.

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