

ELECTRONIC TUBE REFERENCE

6AN6

Rectifier - Full Wave electronic tube

CONSOLIDATED TECHNICAL DATA

4 SECTIONS

CONSTRUCTION

DIODE-DIODE-DIODE-DIODE

Four-plate common-cathode rectifier containing multiple identical diode sections. Its documented ratings include approximately 210 V peak inverse voltage, 8 mA DC current, and 45 mA peak-current capability from a 6.3 V heater.

GENERAL CHARACTERISTICS

BASE DESIGNATION	7BJ	BASE PINS	7
NOMINAL HEATER	6.3 V / 200 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Common cathode	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Diode	
PEAK INVERSE VOLTAGE	210 V
NOMINAL OUTPUT CURRENT	8 mA
PEAK FORWARD CURRENT	45 mA
FORWARD VOLTAGE DROP	3 V
Representative row for four identical diode sections.	

SECTION2 Diode	
PEAK INVERSE VOLTAGE	210 V
NOMINAL OUTPUT CURRENT	8 mA
PEAK FORWARD CURRENT	45 mA
FORWARD VOLTAGE DROP	3 V
Physical diode section; electrical properties populated from documented identical section.	

SECTION3 Diode	
PEAK INVERSE VOLTAGE	210 V
NOMINAL OUTPUT CURRENT	8 mA
PEAK FORWARD CURRENT	45 mA
FORWARD VOLTAGE DROP	3 V
<i>Physical diode section; electrical properties populated from documented identical section.</i>	

SECTION4 Diode	
PEAK INVERSE VOLTAGE	210 V
NOMINAL OUTPUT CURRENT	8 mA
PEAK FORWARD CURRENT	45 mA
FORWARD VOLTAGE DROP	3 V
<i>Physical diode section; electrical properties populated from documented identical section.</i>	

Four-plate common-cathode rectifier tube with identical diode 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 · Diode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	6.3 V	Published heater rating
Heater current	200 mA	Published heater rating
Tube voltage drop	3 V	At 6.6 mA

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak inverse voltage	210 V	HalfWave
DC output current per plate	8 mA	HalfWave
RMS supply voltage per plate	75 V	HalfWave
Peak current per plate	45 mA	HalfWave

TUBE TINKER

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