

ELECTRONIC TUBE REFERENCE

7A6

Diode (NOT rectifier) electronic tube

CONSOLIDATED TECHNICAL DATA
2 SECTIONS
CONSTRUCTION
DIODE-DIODE

Lock-In dual diode with separate plates and cathodes for AVC, signal detection, and low-current rectification.

GENERAL CHARACTERISTICS

BASE DESIGNATION	7AJ	BASE PINS	8
NOMINAL HEATER	6.3 V / 150 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Diode	
PEAK INVERSE VOLTAGE	330 V
NOMINAL OUTPUT CURRENT	8 mA
PEAK FORWARD CURRENT	48 mA
FORWARD VOLTAGE DROP	11 V
Published handbook ratings and representative operating characteristics reviewed.	

SECTION2 Diode	
No fixed ratings recorded.	
Physical diode section added during approved section-structure reconciliation.	

A Lock-In dual diode with separate plates and cathodes, usable for AVC, low-current rectification or detection; its heater is suitable for series or parallel operation.



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 · Diode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	7 V	Nominal published value
Heater Current	150 mA	Nominal published value



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	150 mA	Published heater rating

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
DC output current	8 mA	RectifierService
Peak inverse voltage	330 V	RectifierService
RMS supply voltage per plate	117 V	RectifierService
Peak current per plate	48 mA	RectifierService

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1961 Tung Sol

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

1961 TUNG SOL

Section 1 · Diode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	6.3 V	Nominal
Heater current	150 mA	Nominal
Maximum AC voltage per plate RMS	150 V	—
Maximum steady-state peak plate current per plate	40 mA	—