



ELECTRONIC TUBE REFERENCE

2EN5

Diode (NOT rectifier) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

DIODE-DIODE

Double diode for detector, discriminator, and general signal-rectifier service, with paired thermionic sections for balanced or complementary functions.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	7
NOMINAL HEATER	2.1 V / 450 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Diode	
MAXIMUM CATHODE CURRENT	5 mA
FORWARD VOLTAGE DROP	5 V
<i>Representative row for two identical diode sections.</i>	

SECTION2 Diode	
MAXIMUM CATHODE CURRENT	5 mA
<i>Promoted ratings/characteristics from the supplied Sylvania source.</i>	

Double diode for detector/rectifier service.



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

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterOrFilamentVoltage	2.1 V	—
HeaterOrFilamentCurrent	450 mA	—
Forward Voltage Drop	5 V	DiodeCurrent=20mA

1950 SYLVANIA

Section 2 · Diode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Forward Voltage Drop	5 V	DiodeCurrent=20mA



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1961 Tung Sol

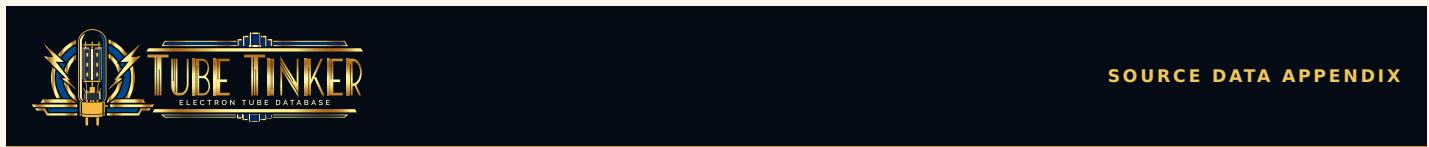
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1961 TUNG SOL

Section 1 · Diode

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Diode Input Capacitance	2.7 pF	EachUnit;WithoutShield

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
MaximumDiodeCurrentContinuous	5 mA	EachPlate
Heater Warmup Time	11 s	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1966 Tung Sol Electronic Tubes 1 of 4

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

1966 TUNG SOL ELECTRONIC TUBES 1 OF 4

Section 1 · Diode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HEATER VOLTAGE	2.1 V	Maximum Ratings HEATER VOLTAGE 2.1 VOLTS
HEATER WARM- UP TIME (APPROX.) *	11 s	Maximum Ratings HEATER WARM- UP TIME (APPROX.) * 11.0 SECONDS
HEATER VOLTAGE Z	1 V	Maximum Ratings HEATER VOLTAGE Z.1 VOLTS
DIODE VOLTAGE DROP (APPROX.) FOR Ib	20 mA	Maximum Ratings DIODE VOLTAGE DROP (APPROX.) FOR Ib 20 MA.(E A.PLATE) 5.0 VOLTS