



ELECTRONIC TUBE REFERENCE

5726

Diode (NOT rectifier) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

DIODE-DIODE

Ruggedized dual diode with separate cathodes for detector, rectifier, switching, and instrumentation service in demanding industrial or communications equipment.

GENERAL CHARACTERISTICS

BASE DESIGNATION	E7-1	BASE PINS	7
NOMINAL HEATER	6.3 V / 300 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Diode	
MAXIMUM PLATE DISSIPATION	0.25 W
PEAK INVERSE VOLTAGE	360 V
NOMINAL OUTPUT CURRENT	10 mA
PEAK FORWARD CURRENT	60 mA
MAXIMUM HEATER-CATHODE VOLTAGE	360 V
Representative row for two identical diode sections; design-center ratings are per plate.	

SECTION2 Diode	
No fixed ratings recorded.	
Second physical diode section added to match the dual-diode construction and SectionCount=2.	

Ruggedized dual diode with separate cathodes for detector and rectifier service.



SOURCE OPERATING CONDITIONS

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1940 RCA

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

1940 RCA

Section 1 · Diode

APPLICATION

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	WideBandDetector text	—



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1957 Philips Receiving and Amplifying Tubes

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1957 PHILIPS RECEIVING AND AMPLIFYING TUBES

Section 1 · Diode

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
RMS Input Voltage	117 V	Rectifier
Reservoir Capacitance	8 uF	Rectifier



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1958 Compagnie General

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1958 COMPAGNIE GENERAL

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak Inverse Voltage	360 V	EachSection
Filter Input Capacitance	8 uF	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Minimum Resonant Frequency	700 MHz	EachSection



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1959 Telefunken

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1959 TELEFUNKEN

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	6.3 V	—
Heater Current	300 mA	—
EquivalentDesignation	EAA901S	—



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195X Tesla

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195X TESLA

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Interelectrode capacitances	Published	See source sheet for electrode-specific capacitance values



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1960 RCA Industrial and Communications Types

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1960 RCA INDUSTRIAL AND COMMUNICATIONS TYPES

Section 1 · Diode

CROSSREFERENCE

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Prototype / equivalent family	6AL5	—

APPLICATION

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	Rectifier / detector	—



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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

CAPACITANCE

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate1 To Plate2 Capacitance	0.068 pF	WithoutShield

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate1 To Plate2 Capacitance	0.026 pF	WithShield


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1963 Amperex Condensed

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1963 AMPEREX CONDENSED

Section 1 · Diode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	6.3 V	Published rating
Heater current	300 mA	Published rating

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum RMS plate voltage	117 V	TwinDiode
Maximum total DC output current	9 mA	TwinDiode
Maximum peak plate current	54 mA	TwinDiode


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1963 Philips Electron Tubes Handbook V1

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

1963 PHILIPS ELECTRON TUBES HANDBOOK V1

Section 1 · Diode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
AC transformer voltage	117 V RMS	HalfWave;EachSection
Filter capacitance	8 μ F	HalfWave;EachSection
Series resistance	300 Ω	HalfWave;EachSection
DC output current	9 mA	HalfWave;EachSection
Peak inverse voltage maximum	360 V	EachSection
DC current maximum	10 mA	EachSection
Peak current maximum	60 mA	EachSection
Heater-to-cathode voltage maximum	360 V	EachSection

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Resonant frequency approximately	700 MHz	EachSection



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1963 Philips Electron Tubes Handbook V3

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1963 PHILIPS ELECTRON TUBES HANDBOOK V3

Section 1 · Diode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
AC transformer voltage	117 V RMS	HalfWave;EachSection
Filter capacitance	8 μ F	HalfWave;EachSection
Series resistance	300 Ω	HalfWave;EachSection
DC output current	9 mA	HalfWave;EachSection
Peak inverse voltage maximum	360 V	EachSection

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
DC current maximum	10 mA	EachSection
Peak current maximum	60 mA	EachSection
Heater-to-cathode voltage maximum	360 V	EachSection

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Resonant frequency approximately	700 MHz	EachSection

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Diode capacitance	3.2 pF	EachSection


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1966 Tung Sol Electronic Tubes 3 of 4

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1966 TUNG SOL ELECTRONIC TUBES 3 OF 4

Section 1 · Diode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	6.3 V	—
Heater current	300 mA	—
Maximum surge current per section	350 mA	—
AC plate voltage per plate RMS	117 V	HalfWave
Minimum effective plate-supply impedance per plate	300 ohm	HalfWave
DC output current per plate	9 mA	HalfWave
Minimum intermittent heater cycles	5000 cycles	—
Maximum peak inverse voltage	360 V	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Nominal DC output current	10 mA	—
Maximum peak forward current	60 mA	—
Maximum heater-cathode voltage	360 V	—



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1968 General Electric Co

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1968 GENERAL ELECTRIC CO

Section 1 · Diode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
AC Plate Voltage RMS per Plate	117 V	HalfWave EachSection
Minimum Plate Supply Impedance	300 ohm	HalfWave EachSection

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
DC Output Current per Plate	9 mA	HalfWave EachSection



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1968 Mazda Belvu

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

1968 MAZDA BELVU

Section 1 · Diode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
AC Input Voltage	117 V	HalfWave;PerDiode



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1971 RCA HB3 Binder 3 of 7

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

1971 RCA HB3 BINDER 3 OF 7

Section 1 · Diode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Rectifier maximum peak inverse voltage	—360 V	—
Rectifier nominal output current	—10 mA	—
Rectifier peak forward current	—60 mA	—
Rectifier maximum heater-cathode voltage	—360 V	—
AC plate-supply voltage per plate RMS	117 V	—
Minimum effective plate-supply impedance per plate	300 Ω	—
DC output current per plate	9 mA	—

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Resonant frequency per unit	700 MHz	—

TUBE TINKER

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

