



ELECTRONIC TUBE REFERENCE

6097

Diode (NOT rectifier) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

DIODE-DIODE

Ruggedized miniature twin diode for clippers, clampers, FM/AM detectors, and discriminators in military, industrial, and airborne equipment.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
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	
PEAK INVERSE VOLTAGE	360 V
NOMINAL OUTPUT CURRENT	10 mA
PEAK FORWARD CURRENT	60 mA
MAXIMUM HEATER-CATHODE VOLTAGE	360 V
Published promoted fields populated semantically; identical repeated sections compressed.	

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

Ruggedized miniature twin diode with an inter-section shield for independent operation, useful in clippers, clampers, FM/AM detector and discriminator circuits and military/industrial airborne equipment.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1960 RCA Industrial and Communications Types

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

1960 RCA INDUSTRIAL AND COMMUNICATIONS TYPES

Section 1 · Diode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	6.3 V	—
Heater Current	300 mA	—



SOURCE OPERATING CONDITIONS

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
Plate1 To Plate2 Capacitance	0.026 pF	WithShield



1966 Tung Sol Electronic Tubes 3 of 4

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

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	—
Nominal DC output current	10 mA	—
Maximum peak forward current	60 mA	—
Maximum heater-cathode voltage	360 V	—

TUBE TINKER

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

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