

ELECTRONIC TUBE REFERENCE

5845

Diode (NOT rectifier) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

DIODE-DIODE

Temperature-limited tungsten-filament double diode whose plate current is deliberately controlled by filament voltage, intended for specialized regulation, measurement, or signal-processing circuits.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	7
NOMINAL HEATER	4.3 V / 435 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Diode	
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM CATHODE CURRENT	2 mA
Published characteristics and ratings promoted where clearly recoverable from source.	

SECTION2 Diode	
No fixed ratings recorded.	
Second physical diode section added in approved section-structure reconciliation.	

Temperature-limited double diode with tungsten filament; plate current is controlled by filament voltage.



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
Maximum Plate Voltage	300 V	—
Maximum Cathode Current	2 mA	—
Maximum Filament Voltage Series	5 V	—
Filament Voltage Series	4.3 V	Plates connected together
Filament Current Series	435 mA	Plates connected together
Plate Voltage	300 V	Plates connected together
Plate Current Both Plates	0.5 mA	Plates connected together

TUBE TINKER

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

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