



ELECTRONIC TUBE REFERENCE

7055

Diode (NOT rectifier) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

DIODE-DIODE

High-perveance mobile-service twin diode, electrically similar to the 6AL5 family apart from heater characteristics.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	7
NOMINAL HEATER	13.5 V / 155 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Common cathode	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Diode	
MAXIMUM CATHODE CURRENT	10 mA
PEAK INVERSE VOLTAGE	350 V
NOMINAL OUTPUT CURRENT	10 mA
PEAK FORWARD CURRENT	60 mA
MAXIMUM HEATER-CATHODE VOLTAGE	120 V
Representative row for two identical diodes.	

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

Mobile-service high-perveance twin diode, similar to 6AL5 except heater characteristics.



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
Heater Voltage	13.5 V	—
Heater Current	155 mA	—



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

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

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	Detector / full-wave rectifier	—



1965 Sylvania Electronic Tubes Vol3

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1965 SYLVANIA ELECTRONIC TUBES VOL3

Section 1 · Diode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage range	12 to 15 V	—
Heater-cathode voltage maximum	120 V	—

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater current at 13.5 V	155 mA	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate input capacitance per section	3.2 pF	—
Plate-to-plate capacitance	0.026 pF	—
Cathode input capacitance per section	3.6 pF	—

CROSSREFERENCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Equivalent type	6AL5	—

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	Detector / clipper / low-current rectifier	—



SOURCE DATA APPENDIX

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
Heater voltage	13.5 V	—
Heater current	155 mA	—
Peak inverse voltage	350 V	EachDiode
Peak plate current	60 mA	EachDiode
DC output current	10 mA	EachDiode
AC plate voltage RMS	117 V	Rectifier
DC output current typical	9 mA	EachDiode

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate-to-cathode capacitance	3.2 pF	EachDiode
Plate-to-plate coupling capacitance	0.026 pF	BetweenSections

TUBE TINKER

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