



ELECTRONIC TUBE REFERENCE

78A

Diode (NOT rectifier) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

DIODE

Special directly heated educational diode designed to demonstrate anode-current saturation without damaging the cathode.

GENERAL CHARACTERISTICS

BASE DESIGNATION	B9A	BASE PINS	9
NOMINAL HEATER	14 V / 900 mA	PARALLEL HEATER	– / –
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Diode

MAXIMUM PLATE VOLTAGE	110 V
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Published ratings and characteristics promoted where clearly stated; identical repeated sections compressed when applicable.

Special directly heated teaching diode designed to demonstrate anode-current saturation without damaging the cathode.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1960 Mazda

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

1960 MAZDA

Section 1 · Diode

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
MaximumFilamentCurrent	900 mA	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

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

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater or filament voltage	14 V	Published nominal value
Heater or filament current	900 mA	Published nominal value
Filament current range	0 mA–900 mA	Teaching operation
Filament voltage range	0–14 V	Teaching operation

TUBE TINKER

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and their source documents.

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