



## ELECTRONIC TUBE REFERENCE

## 6D2

Diode (NOT rectifier) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

DIODE-DIODE

EAA91-equivalent twin diode with separate cathodes for detector, discriminator, clipping, switching, and general signal-rectification service.

## GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | —                 | 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 |
| MAXIMUM CATHODE CURRENT                                                                                                            | 9 mA   |
| PEAK INVERSE VOLTAGE                                                                                                               | 420 V  |
| NOMINAL OUTPUT CURRENT                                                                                                             | 9 mA   |
| PEAK FORWARD CURRENT                                                                                                               | 50 mA  |
| MAXIMUM HEATER-CATHODE VOLTAGE                                                                                                     | 300 V  |
| Two identical diode systems; representative row. Peak inverse voltage is 420 V; total anode dissipation is 0.5 W for both systems. |        |

|                                                                                   |      |
|-----------------------------------------------------------------------------------|------|
| SECTION2 Diode                                                                    |      |
| MAXIMUM CATHODE CURRENT                                                           | 9 mA |
| Second physical diode section added in approved section-structure reconciliation. |      |

Dual diode with separate cathodes for detector and rectifier service.



## SOURCE OPERATING CONDITIONS

# 195X Tesla

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

195X TESLA

## Section 1 · Diode

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



## SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

# 1973 Mazda Valves Binder 2

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

1973 MAZDA VALVES BINDER 2

## Section 1 · Diode

| OTHER                        |                 |                  |
|------------------------------|-----------------|------------------|
| PARAMETER                    | PUBLISHED VALUE | CONDITION / NOTE |
| HeaterVoltageNominal         | 6.3 V           | Nominal          |
| HeaterCurrentNominal         | 300 mA          | Nominal          |
| Maximum Cathode Current      | 9 mA            | —                |
| Maximum Peak Inverse Voltage | 500 V           | —                |
| Rectified Output Current     | 9 mA            | —                |
| PeakForwardCurrent           | 50 mA           | —                |