



ELECTRONIC TUBE REFERENCE

EE80

Voltage - Dual Triode (similar) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TRIODE-TRIODE

Special double triode intended for electronic switching and computing applications, designed for logic and control circuits rather than ordinary receiving-tube amplification.

GENERAL CHARACTERISTICS

BASE DESIGNATION	B9A	BASE PINS	9
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 Triode	
TRANSCONDUCTANCE	0.0125 S
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM SCREEN VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	2.5 W
MAXIMUM SCREEN DISSIPATION	1.3 W
<i>Published ratings and characteristics promoted from the approved English source.</i>	

SECTION2 Triode	
TRANSCONDUCTANCE	0.0125 S
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	2.5 W

Special double triode intended for electronic switching and computing applications. Technical and descriptive data are taken from the supplied English-language Mazda/Thorn-AEI datasheet.

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 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage Vh	63 V	—
Heater Current Ih	3 A	—
Maximum Anode Dissipation palmax)	25 W	—
Maximum Screen Grid Dissipation pg2(max)	13 W	—
Maximum Anode Voltage Va(max)	250 V	—
Maximum Screen Grid Voltage Vg2(max)	250 V	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid 1 to Earth Cm 81 85	96 pF	—
Anode to Earth cout 26 29	4 pF	—
Grid 1 to Anode cgl_a 003 0 034 0	36 pF	—
Anode Voltage Va	180 V	—
Screen Grid Voltage V82	180 V	—
Anode Current Ia	10 mA	—
Mutual Conductance gm	125 mA	—
Anode Voltage Va 70	60 V	—
r~ Screen Grid Voltage VS2 180	180 V	—
Grid Bias Voltage Vgl -1 -	1 V	—
Anode Current Ia 40	25 mA	—