



ELECTRONIC TUBE REFERENCE

EF812

Voltage Pentode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Special-quality low-noise pentode for professional audio amplification, combining low noise with unusually strong signal capability.

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

SECTION 1 Pentode	
TRANSCONDUCTANCE	0.0092 S
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM SCREEN VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	3 W
MAXIMUM SCREEN DISSIPATION	1 W
<i>Published ratings and characteristics promoted from the approved English source.</i>	

Special-quality low-noise pentode for professional audio-frequency amplification. 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 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage Vh	6.3 V	—
Heater Current Ih	3 A	—
Maximum Anode Voltage Va(max)	250 V	—
Maximum Screen Voltage Vg2(max)	250 V	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
\$ With maximum anode dissipation 2W, maximum screen dissipation	5 W	—
Grid 1 to Earth cmn 83 8.6	96 pF	—
Anode to Earth cout 33 36	46 pF	—
Grid 1 to Anode cg1-a 0.0065 0.007 0'	8 pF	—
Grid 1 to Grid 3 cg1-g3 016 0.16	17 pF	—
Grid 1 to Grid 2 cg1_g2 25 25	2.5 pF	—
Grid 2 to Anode cg2-a 016 024	42 pF	—
Grid 3 to Anode cg3-a 06 0.61	63 pF	—
Anode Voltage Va	170 V	—
Screen Voltage Vg2	170 V	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid Bias Voltage (Approx.) Vg1 –	1.9 V	—
Anode Current Ia	10 mA	—
Screen Current Ig2	26 mA	—
Mutual Conductance gm	92 mA	—
Input Capacity Working Cif(w)	115 pF	—
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