

ELECTRONIC TUBE REFERENCE

4Y100R

Power - Tetrode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TETRODE

Mazda power tetrode for substantial power-amplifier and series-regulator applications.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	12.6 V / 3.5 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Tetrode	
PLATE RESISTANCE	550 Ω
TRANSCONDUCTANCE	0.02 S
AMPLIFICATION FACTOR	11
MAXIMUM PLATE VOLTAGE	800 V
MAXIMUM PLATE DISSIPATION	80 W
MAXIMUM SCREEN DISSIPATION	7.5 W
Representative row for repeated identical sections.	

Dual power tetrode with separate systems for high-power amplifier and regulator applications.



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 · Tetrode

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input capacitance	25 pF	—
Output capacitance	22 pF	—
Anode-grid capacitance	0.5 pF	—
Grid-grid capacitance	0.02 pF	—



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 · Tetrode

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	PowerAmplifier_Or_Regulator text	—

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