

ELECTRONIC TUBE REFERENCE

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
PENTODE

6DR6

Power - TV Horizontal Output (sweep) electronic tube

Power pentode designed for television line-output and horizontal-deflection amplifier service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	6.3 V / 1.05 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
MAXIMUM PLATE VOLTAGE	550 V
MAXIMUM PLATE DISSIPATION	8 W
MAXIMUM CATHODE CURRENT	180 mA
Published ratings/characteristics promoted from source tables.	

Power pentode intended for television line/horizontal-deflection amplifier service.

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 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage ieseereeseenenee VÊ	6.3 V	—
Heater current secereerrereceseeencemees IË	1.05 A	—
Capacitance d'entrée Ce	14.3 pF	—
Capacitance de sortie - ... Cs	7.5 pF	—
Capacitance anode/ gnlle n° 1 merasrecceuse Ca/8,	0.8 pF	—
Plate voltage à courant nul..... Vabl	550 V	—
Tension de crête positive d'anode ... Vacr	7000 V	—
Plate voltage vercarsauce ec « vVa	300 V	—
Screen-grid voltage à courant nul mesvesescscosescsceenss V@2 bl	550 V	—
Screen-grid voltage Veg,	300 V	—
Tension de grille n° 1 pour un courant de + 03 ,u.A -Vg1	1.3 V	—
Courant moyen de cathode scsescrcerscrercee IK	180 mA	—
Dissipation d'Anod@@ creecsenveensessensecsee se Pa	8 W	—
Screen-grid dissipation ... surrecrscceere PE5	4.5 W	—
Tension entre le filament et Ia cathode Vfk	100 V	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Résistance du circuit de grille n° 1. R Rg,	0.5 MΩ	—
Plate voltage Va	250 V	—
Tension de grille n° Ves	0 V	—
Screen-grid voltage vorcereresesersienrensnensssasrrene	250 V	—
Tension de grille n° l erserirecrracennavecnenccecnue VEI	-38.5 V	—
Plate current Ia	32 mA	—
Courant de grille n° 2 ... Ig,	2.4 mA	—
Transconductance... R ... S	4.6 mA	—
RÉSISTANCE ÎNTEINE ecrcrte sovs sscarncrsves soracass enrecacensescreme P	15 kΩ	—

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes,
and their source documents.

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