



ELECTRONIC TUBE REFERENCE

6F14

Voltage - Pentode High Frequency (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Mazda 6F14 high-slope screened television pentode rated for broadband signal amplification, using a 6.3 V 0.35 A heater and eight-contact B8A-style base.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	6.3 V / 350 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
PLATE RESISTANCE	125000 Ω
TRANSCONDUCTANCE	0.0106 S
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM SCREEN VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	4 W
MAXIMUM SCREEN DISSIPATION	1 W
Mazda 6F14 screened television pentode, eight-contact B8A-style base, indirectly heated 6.3 V 0.35 A. Tentative manufacturer ratings: plate max 250 V, screen max 250 V, plate dissipation 4 W and screen dissipation 1 W. Nominal at $V_a=V_{g2}=140$ V and control grid -1.26 V: gm 10.6 mA/V (0.0106 S), plate resistance 0.125 MΩ (125 kΩ), inner g1-to-g2 amplification factor 33. Plate-to-earth ~3.8 pF, grid-to-earth ~9.3 pF and grid-plate ~0.02 pF with fixture-balanced measurements; flag true. Manufacturer says no internal cylindrical shield surrounding the electrode assembly.	



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 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Voltage	140 V	—
Screen Voltage	140 V	—
Grid Voltage	-1.26 V	—
Plate Current	15 mA	—
Screen Current	3 mA	—

TUBE TINKER

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and their source documents.

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