

ELECTRONIC TUBE REFERENCE

6F11

Voltage Pentode - Sharp Cutoff (single) electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
PENTODE

Mazda 6F11 screened sharp-cutoff RF pentode for receiving and signal amplification, with high anode impedance, 6.3 V 0.2 A heater and eight-contact B8A-style base.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	6.3 V / 200 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
PLATE RESISTANCE	2800000 Ω
TRANSCONDUCTANCE	0.0022 S
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM SCREEN VOLTAGE	150 V
MAXIMUM CATHODE CURRENT	10 mA
Mazda 6F11 screened sharp-cutoff RF pentode, eight-contact B8A-style base, indirectly heated 6.3 V 0.2 A. Manufacturer maximum plate 250 V, screen 150 V, cathode current 10 mA; typical at plate 250 V/screen 100 V/grid about -1.8 V: gm 2.2 mA/V (0.0022 S), plate resistance 2.8 MΩ, inner grid1-to-screen amplification factor 26. Published plate-to-earth output capacitance ~6.7 pF, grid-to-earth input 5.3 pF and grid-to-plate ~0.0039 pF (fixture-dependent variations); cap flag true. Heater-to-cathode max DC 150 V. Pins 3 and 4 (screening/suppressor) joined and grounded in application per datasheet.	

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	250 V	—
Screen Voltage	100 V	—
Grid Voltage	-1.8 V	—
Plate Current	5 mA	—
Screen Current	1 mA	—