



ELECTRONIC TUBE REFERENCE

6F15

Voltage - Pentode Remote Cutoff (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Mazda 6F15 variable- μ RF pentode for gain-controlled receiving amplifiers, 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

SECTION 1 Pentode	
PLATE RESISTANCE	1700000 Ω
TRANSCONDUCTANCE	0.0023 S
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM SCREEN VOLTAGE	250 V
MAXIMUM CATHODE CURRENT	10 mA

Mazda 6F15 VARI-MU/remote-cutoff RF pentode, eight-contact B8A-style base, indirectly heated 6.3 V 0.2 A. Manufacturer plate and screen maximum each 250 V, cathode current max 10 mA. Typical at plate 250 V, screen 100 V, grid-1 -2.5 V: gm 2.3 mA/V (0.0023 S), plate resistance 1.7 M Ω , inner grid1-to-screen amplification factor 16.5, plate current ~7 mA, screen current ~2 mA. Published capacitances output ~6.8 pF, input ~5.1 pF, anode-to-control-grid ~0.0034 pF (fixture-dependent). Capacitance flag true. Pin 3 internal shield and pin 4 suppressor should be joined and earthed. Remote-cutoff characteristic specifically supports AGC amplification.



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	-2.5 V	—
Plate Current	7 mA	—
Screen Current	2 mA	—

TUBE TINKER

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

[Catalog](#) [Tube types](#) [Full books](#) [Blog](#) [Feedback & corrections](#)

© 2026 Tube Tinker