



ELECTRONIC TUBE REFERENCE

6F1

Voltage Pentode - High Frequency (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
PENTODE

Mazda/Ediswan 6F1 high-slope screened RF pentode for television and wideband amplification, with 6.3 V 0.35 A heater and eight-contact B8A-type 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	
TRANSCONDUCTANCE	0.009 S
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM SCREEN VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	3.5 W
MAXIMUM SCREEN DISSIPATION	1 W
<i>Mazda/Ediswan 6F1 high-slope screened RF pentode with eight-pin B8A-style rimlock base and 6.3 V 0.35 A parallel heater. Manufacturer maximum plate 250 V, screen 250 V, plate dissipation 3.5 W, screen dissipation 1 W (with appropriate grid-cathode resistance condition); typical $V_a=V_{g2}=200$ V, V_{g1} about -1.8 V, anode current 10 mA, screen 2.6 mA, gm 9.0 mA/V (0.009 S). Manufacturer electrode capacitances plate-to-earth, control-grid-to-earth and plate-to-grid published with/without holder and shielding; flag true. Manufacturer descriptions distinguish RF/video output service and limits at alternate operation.</i>	

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	200 V	—
Screen Voltage	200 V	—
Grid Voltage	-1.8 V	—
Plate Current	10 mA	—
Screen Current	2.6 mA	—