

ELECTRONIC TUBE REFERENCE

6MF8

Power - TV Vertical Output electronic tube

CONSOLIDATED TECHNICAL DATA
2 SECTIONS
CONSTRUCTION
BEAMPOWER-TRIODE

Multi-section television tube whose power section serves vertical-deflection amplification, with additional circuitry integrated for oscillator, driver, or signal-processing functions.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 1.5 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Dissimilar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	14000 Ω
AMPLIFICATION FACTOR	58
MAXIMUM PLATE VOLTAGE	400 V
Published source values promoted where applicable.	

SECTION2 Beam Power	
PLATE RESISTANCE	14000 Ω
AMPLIFICATION FACTOR	58
MAXIMUM PLATE VOLTAGE	400 V
MAXIMUM SCREEN VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	12 W
MAXIMUM CATHODE CURRENT	75 mA
<i>Published source values promoted where applicable.</i>	

Duodecar type used in combined vertical-deflection- oscillator and vertical-deflection-amplifier applications in color television receivers. Outlines section, 15D; re- quires duodecar 12-contact socket. Type 15MF8 is iden- tical with type 6MF8 except for heater ratings. 12DZ 6MF8 15MF8



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1950 Sylvania

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1950 SYLVANIA

Section 1 · Triode

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Service	Vertical deflection oscillator	—

1950 SYLVANIA

Section 2 · Beam Power

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Service	Vertical deflection amplifier	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1975 RCA RC30

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1975 RCA RC30

Section 1 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	14.7 volts	Published value from supplied target entry
Heater Current	0.6 amperes	Published value from supplied target entry
Plate Voltage	250 volts	Published value from supplied target entry
Grid-No	250 volts	Published value from supplied target entry
Grid-No.1 (Control-Grid) Voltage —	20 volts	Published value from supplied target entry

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-No	2	Published value from supplied target entry
Amplification Factor	58	Published value from supplied target entry
Plate Resistance (Approx.)	5000 ohms	Published value from supplied target entry
Plate Voltage	400 volts	Published value from supplied target entry
Peak Positive Pulse Plate Voltage#	2500 volts	Published value from supplied target entry
Grid-No	300 volts	Published value from supplied target entry
Peak Negative Grid-No.1 Voltage	400 volts	Published value from supplied target entry
Plate Dissipation*	12 watts	Published value from supplied target entry
Grid-No	2.75 watts	Published value from supplied target entry
Average Cathode Current	75 mA	Published value from supplied target entry
# Pulse duration must not exceed	2.5	Published value from supplied target entry