



ELECTRONIC TUBE REFERENCE

12JM6

Power - TV Horizontal Output (sweep) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

BEAMPOWER

Beam-power horizontal-output pentode for television line-deflection amplification, combining low plate resistance, approximately 17.5 W dissipation, and high pulse-voltage capability.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	12.6 V / 600 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Beam Power	
PLATE RESISTANCE	18000 Ω
TRANSCONDUCTANCE	0.0073 S
MAXIMUM PLATE VOLTAGE	770 V
MAXIMUM PLATE DISSIPATION	17.5 W
MAXIMUM CATHODE CURRENT	550 mA
WARM-UP TIME	11 s
Published ratings/characteristics promoted where applicable; additional operating data retained in TUBE_SECTION_PARAMETER.	

Beam-power horizontal-output pentode for television horizontal-deflection amplifier service.



SOURCE OPERATING CONDITIONS

1965 Sylvania Electronic Tubes Vol3

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

1965 SYLVANIA ELECTRONIC TUBES VOL3

Section 1 · Beam Power

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak positive plate voltage	6500 V	Pulse
Peak negative pulse plate voltage	1500 V	Pulse
Positive DC beam-plate voltage	70 V	—
Peak cathode current	550 mA	—

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	250 V	—
Control-grid voltage	-22.5 V	—
Transconductance	7300 μ S	—
Plate resistance	18000 Ohm	—

TUBE TINKER

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

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