



ELECTRONIC TUBE REFERENCE

6LG6

Power - TV Horizontal Output (sweep) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

BEAMPOWER

Compactron beam-power pentode for color-television horizontal-deflection output, combining high transconductance, substantial dissipation, and strong peak-current switching capability.

GENERAL CHARACTERISTICS

BASE DESIGNATION	12HL	BASE PINS	12
NOMINAL HEATER	6.3 V / 2 A	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Beam Power	
PLATE RESISTANCE	7500 Ω
TRANSCONDUCTANCE	0.0115 S
AMPLIFICATION FACTOR	3.6
MAXIMUM PLATE VOLTAGE	900 V
MAXIMUM SCREEN VOLTAGE	200 V
MAXIMUM PLATE DISSIPATION	28 W
MAXIMUM SCREEN DISSIPATION	5 W
MAXIMUM CATHODE CURRENT	315 mA

Compactron beam-power pentode for color-TV horizontal-deflection amplifier service, with high peak-current capability.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1968 General Electric Co

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

1968 GENERAL ELECTRIC CO

Section 1 · Beam Power

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Plate Voltage	900 V	—
Maximum Screen Voltage	200 V	—
Maximum Plate Dissipation	28 W	—
Maximum Screen Dissipation	5 W	—
Maximum Cathode Current	315 mA	—
Peak Positive Pulse Plate Voltage	7500 V	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Resistance	7500 ohm	—
Transconductance	11500 uS	—
Amplification Factor	3.6	—