

ELECTRONIC TUBE REFERENCE

25BQ6GA

Power - TV Horizontal Output (sweep) electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
BEAMPOWER

Beam-power horizontal-deflection output pentode for television line-output service, with a 6000-volt positive plate-pulse rating.

GENERAL CHARACTERISTICS

BASE DESIGNATION	6AM	BASE PINS	—
NOMINAL HEATER	25 V / 300 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

6AM - TERMINAL PINOUT

TERMINAL	SECTION	ELEMENT	STATUS
PIN1 – Pin 1	—	—	NC · verified
PIN2 – Pin 2	—	H – Heater	CONNECTED · verified
PIN3 – Pin 3	—	—	NC · verified
PIN4 – Pin 4	A	G2 – Screen Grid	CONNECTED · verified
PIN5 – Pin 5	A	G1 – Control Grid	CONNECTED · verified
PIN7 – Pin 7	—	H – Heater	CONNECTED · verified
PIN8 – Pin 8	A	BP – Beam-Forming Plate	CONNECTED · verified
PIN8 – Pin 8	A	K – Cathode	CONNECTED · verified

TERMINAL	SECTION	ELEMENT	STATUS
CAP1 – Top cap	A	P – Plate (Anode)	CONNECTED · verified

SECTION RATINGS

SECTION1 Beam Power	
PLATE RESISTANCE	20000 Ω
TRANSCONDUCTANCE	0.0055 S
MAXIMUM PLATE VOLTAGE	600 V
MAXIMUM SCREEN VOLTAGE	200 V
MAXIMUM PLATE DISSIPATION	11 W
MAXIMUM SCREEN DISSIPATION	2.5 W
MAXIMUM CATHODE CURRENT	110 mA
<i>Horizontal-deflection beam-power section.</i>	

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

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

195X General Electric Essential Characteristics

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

195X GENERAL ELECTRIC ESSENTIAL CHARACTERISTICS

Section 1 · Beam Power

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input capacitance	14 pF	—
Output capacitance	6.5 pF	—
Grid-to-plate capacitance	0.8 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	250 V	HorizontalDeflection
Screen-grid voltage	150 V	HorizontalDeflection
Grid voltage	-22.5 V	HorizontalDeflection
Plate current	55 mA	HorizontalDeflection
Screen-grid current	2.1 mA	HorizontalDeflection
Plate voltage	60 V	HorizontalDeflection;PeakDrive
Screen-grid voltage	150 V	HorizontalDeflection;PeakDrive
Grid voltage	0 V	HorizontalDeflection;PeakDrive
Plate current	225 mA	HorizontalDeflection;PeakDrive
Screen-grid current	25 mA	HorizontalDeflection;PeakDrive
Maximum positive pulse plate voltage	6000 V	HorizontalDeflection;Pulse

1965 Westinghouse Data Book

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

1965 WESTINGHOUSE DATA BOOK
Section 1 · Beam Power

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	25 V	—
Heater Current	300 mA	—
Grid-Plate Capacitance	0.6 pF	—
Input Capacitance	15 pF	—
Output Capacitance	7 pF	—
Cutoff Plate Voltage	250 V	—
Cutoff Screen Voltage	150 V	—
Cutoff Grid Voltage	-43 V	—
Triode Amplification Factor	4.3 ratio	ScreenTiedToPlate

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum DC Plate Supply Voltage	600 V	HorizontalDeflection
Maximum Peak Positive Plate Voltage	6000 V	Pulse
Maximum Peak Negative Plate Voltage	-1250 V	Pulse
Maximum Plate Dissipation	11 W	—
Maximum Screen Voltage	200 V	—
Maximum Screen Dissipation	2.5 W	—
Maximum Average Cathode Current	110 mA	—
Maximum Peak Cathode Current	400 mA	—