



ELECTRONIC TUBE REFERENCE

25BQ6GTB

Power - TV Horizontal Output (sweep) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

BEAMPOWER

Beam-power tube designed for horizontal-deflection amplifier service in color and black-and-white television receivers.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	25 V / 300 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Beam Power	
PLATE RESISTANCE	14500 Ω
TRANSCONDUCTANCE	0.0059 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>Supplied 25BQ6GTB sheet identifies this as a heater-voltage variant of 6BQ6GTB. Promoted beam-power electrical fields were populated from the exact parent-type technical data; heater values remain specific to the supplied 25BQ6GTB sheet.</i>	

Beam power tube for horizontal-deflection amplifier service in color and black-and-white television receivers.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1971 RCA HB3 Binder 5 of 7

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

1971 RCA HB3 BINDER 5 OF 7

Section 1 · Beam Power

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	25 V	Nominal heater rating from supplied sheet
Heater current	300 mA	Nominal heater rating from supplied sheet
Plate resistance	14500 ohm	InheritedFromExplicitParent 6BQ6GTB
Transconductance	0.0059 A/V	InheritedFromExplicitParent 6BQ6GTB
Plate resistance	14500 ohm	ExactParentElectricalData 6BQ6GTB
Transconductance	5900 uS	ExactParentElectricalData 6BQ6GTB

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	600 V	InheritedFromExplicitParent 6BQ6GTB
Maximum screen voltage	200 V	InheritedFromExplicitParent 6BQ6GTB
Maximum plate dissipation	11 W	InheritedFromExplicitParent 6BQ6GTB
Maximum plate voltage	600 V	ExactParentElectricalData 6BQ6GTB
Maximum screen-grid voltage	200 V	ExactParentElectricalData 6BQ6GTB
Maximum plate dissipation	11 W	ExactParentElectricalData 6BQ6GTB



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 · Beam Power

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater-Cathode Voltage:	11 s	Other
Peak value	200 V	Other;PublishedValue1
Peak value	200 V	Other;PublishedValue2
Peak value	200 V	Other;PublishedValue3
Average value	100 V	Other;PublishedValue1
Average value	100 V	Other;PublishedValue2
Average value	100 V	Other;PublishedValue3
DC Plate Voltage	600 V	MaximumRating
Peak Positive-Pulse Plate Voltage* (Absolute Maximum)	6000 V	MaximumRating
Peak Negative-Pulse Plate Voltage	1260 V	MaximumRating
DC Grid-No	2 V	MaximumRating;PublishedValue1
DC Grid-No	200 V	MaximumRating;PublishedValue2
Peak Negative-Pulse Grid-No.1 (Control-Grid) Voltage	300 V	MaximumRating
Peak Cathode Current	400 mA	MaximumRating
Average Cathode Current	110 mA	MaximumRating
Plate Dissipation"	11 W	MaximumRating
Grid-No	2 W	MaximumRating;PublishedValue1
Grid-No	2.5 W	MaximumRating;PublishedValue2
Grid-No.1-Circuit Resistance	0.47 megohm	MaximumCircuitValue
Maximum Plate Voltage	600 V	Section1;Promoted
Maximum Screen Voltage	200 V	Section1;Promoted
Maximum Plate Dissipation	11 W	Section1;Promoted
Maximum Screen Dissipation	2.5 W	Section1;Promoted
Maximum Cathode Current	110 mA	Section1;Promoted

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate to Cathode, Heater, Grid No	2 pF	Capacitance;PublishedValue1

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate to Cathode, Heater, Grid No	3 pF	Capacitance;PublishedValue2
Plate to Cathode, Heater, Grid No	7 pF	Capacitance;PublishedValue3

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Voltage	60 V	Characteristic;PublishedValue1
Plate Voltage	150 V	Characteristic;PublishedValue2
Plate Voltage	250 V	Characteristic;PublishedValue3
Grid-No	2 V	Characteristic;PublishedValue1
Grid-No	150 V	Characteristic;PublishedValue2
Grid-No	150 V	Characteristic;PublishedValue3
Grid-No	150 V	Characteristic;PublishedValue4
Grid-No	1 V	Characteristic;PublishedValue1
Grid-No	0 V	Characteristic;PublishedValue2
Grid-No	22.5 V	Characteristic;PublishedValue3
Grid-No	-22.5 V	Characteristic;PublishedValue4
Plate Resistance (Approx.) –	14500 ohm	Characteristic
Plate Current	260 mA	Characteristic;PublishedValue1
Plate Current	57 mA	Characteristic;PublishedValue2
Grid-No	2 mA	Characteristic;PublishedValue1
Grid-No	26 mA	Characteristic;PublishedValue2
Grid-No	2.1 mA	Characteristic;PublishedValue3
Grid-No	1 mA	Characteristic;PublishedValue1
Grid-No	1 mA	Characteristic;PublishedValue2
Published value	-43 V	Characteristic
Plate Resistance	14500 ohm	Section1;Promoted
Transconductance	5900 uS	Section1;Promoted

TUBE TINKER

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

