ELECTRONIC TUBE REFERENCE

5Y4GT

Rectifier - Full Wave electronic tube

CONSOLIDATED TECHNICAL DATA
2 SECTIONS
CONSTRUCTION
RECTIFIER-RECTIFIER

GT-envelope full-wave high-vacuum rectifier for receiver and general electronic power supplies. Its five-volt filament and dual rectifier sections provide conventional moderate-current service.

General characteristics

BASE DESIGNATION	5Q	**BASE PINS**	—
NOMINAL HEATER	5 V / 2 A	**PARALLEL HEATER**	— / —
HEATING	Direct	**SERIES OPERATION**	Not specified
CATHODE ARRANGEMENT	Separate cathodes	**SECTION CONSTRUCTION**	Similar

5Q - Terminal pinout

TERMINAL	SECTION	ELEMENT	STATUS
PIN3 — P1	A	P — Plate (Anode)	CONNECTED
PIN5 — P2	A	P — Plate (Anode)	CONNECTED
PIN7 — F	—	F — Filament	CONNECTED
PIN8 — F	—	F — Filament	CONNECTED

Section ratings

SECTION1 Rectifier

PEAK INVERSE VOLTAGE	1400 V
NOMINAL OUTPUT CURRENT	125 mA
PEAK FORWARD CURRENT	400 mA
FORWARD VOLTAGE DROP	60 V

Shares the table row/rating block with 5Y4-GA; repeated identical diode sections compressed.

SECTION2 Rectifier	
PEAK INVERSE VOLTAGE	1400 V
NOMINAL OUTPUT CURRENT	125 mA
PEAK FORWARD CURRENT	400 mA
FORWARD VOLTAGE DROP	60 V
Second physical rectifier section; electrical properties populated from corresponding identical section.	

5Y4GT is a full-wave high-vacuum rectifier listed in the RCA manual table, with a 5 V heater/filament and published peak-inverse-voltage, DC-output-current, peak-current, and voltage-drop ratings.

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 · Rectifier

OTHER		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Maximum RMS supply voltage per plate	**350 V**	FullWave
Maximum DC output current	**125 mA**	FullWave
Maximum peak inverse voltage	**1400 V**	FullWave
Maximum peak current per plate	**400 mA**	FullWave

CHARACTERISTIC		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Tube voltage drop	**60 V**	At 125 mA DC output

195X GENERAL ELECTRIC ESSENTIAL CHARACTERISTICS

Section 2 · Rectifier

OTHER		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Maximum RMS supply voltage per plate	**350 V**	FullWave
Maximum RMS supply voltage per plate	**350 V**	FullWave
Maximum DC output current	**125 mA**	FullWave
Maximum DC output current	**125 mA**	FullWave
Maximum peak inverse voltage	**1400 V**	FullWave
Maximum peak current per plate	**400 mA**	FullWave

CHARACTERISTIC		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Tube voltage drop	**60 V**	At 125 mA DC output
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Tube Tinker

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