

ELECTRONIC TUBE REFERENCE

45Z5GT

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

Cathode-type half-wave rectifier for AC/DC receivers. Rated for approximately 700 V peak inverse voltage, 100 mA DC output, and 600 mA peak current from a 45 V heater.

GENERAL CHARACTERISTICS

BASE DESIGNATION	6AD	BASE PINS	6
NOMINAL HEATER	45 V / 150 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

6AD - TERMINAL PINOUT

TERMINAL	SECTION	ELEMENT	STATUS
PIN1 – IS	A	IS – Internal Screen	CONNECTED
PIN2 – H	–	H – Heater	CONNECTED
PIN3 – HCT	–	HCT – Heater Center Tap	CONNECTED
PIN5 – P	A	P – Plate (Anode)	CONNECTED
PIN7 – H	–	H – Heater	CONNECTED
PIN8 – K	A	K – Cathode	CONNECTED

SECTION RATINGS

SECTION1 Rectifier	
PEAK INVERSE VOLTAGE	700 V
NOMINAL OUTPUT CURRENT	100 mA
PEAK FORWARD CURRENT	600 mA
FORWARD VOLTAGE DROP	16 V
<i>Published promoted fields populated by semantic headings; identical repeated sections compressed.</i>	

Z5GT HYTRON BANTAM GENERAL DESCRIPTTION Application: The Hytron 45Z5GT is a cathode-type half-wave rectifier designed for service in AC-DC recelvers.



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

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Tube Voltage Drop	16 V	At 200 mA DC

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
DC Output Current	100 mA	HalfWaveRectifier
Peak Inverse Voltage	700 V	HalfWaveRectifier
RMS Supply Voltage	235 V	HalfWaveRectifier
Peak Current	600 mA	HalfWaveRectifier
Panel Lamp Unshunted Output Current	60 mA	PanelLamp40or47
Panel Lamp Shunted Output Current	90 mA	PanelLamp;250ohmShunt



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1961 Tung Sol

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

1961 TUNG SOL

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
ACPlateVoltageRMSMaximum	235 V	—
Peak Inverse Voltage	700 V	—
DC Output Current	100 mA	WithoutPanelLamp
TappedHeaterVoltage	7.5 V	WithoutPanelLamp

TUBE TINKER

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