

ELECTRONIC TUBE REFERENCE

6U4GT

Rectifier - Damper Diode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

RECTIFIER

Indirectly heated television efficiency diode with high heater-to-cathode voltage capability for horizontal-deflection energy-recovery service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	4CG	BASE PINS	—
NOMINAL HEATER	6.3 V / 1.2 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

4CG - TERMINAL PINOUT

TERMINAL	SECTION	ELEMENT	STATUS
PIN1 — IC	—	—	IC
PIN2 — IC	—	—	IC
PIN3 — K	A	K — Cathode	CONNECTED
PIN5 — P	A	P — Plate (Anode)	CONNECTED
PIN7 — H	—	H — Heater	CONNECTED
PIN8 — H	—	H — Heater	CONNECTED

SECTION RATINGS

SECTION1 Rectifier	
MAXIMUM CATHODE CURRENT	138 mA
PEAK INVERSE VOLTAGE	3850 V
NOMINAL OUTPUT CURRENT	138 mA
PEAK FORWARD CURRENT	600 mA
FORWARD VOLTAGE DROP	21 V
MAXIMUM HEATER-CATHODE VOLTAGE	3850 V
<i>Half-wave high-vacuum rectifier section.</i>	

Indirectly heated television efficiency diode with high heater-to-cathode voltage capability.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1958 Brimar Radio Valve No 7

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

1958 BRIMAR RADIO VALVE NO 7

Section 1 · Rectifier

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	6.3 V	—
Heater Current	1.2 A	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HotSwitchingTransientAnodeCurrent	3.85 A	Duration<=0.2s



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 peak inverse voltage	1250 V	TVDamper
Maximum DC output current	125 mA	TVDamper
Maximum peak current	600 mA	TVDamper
RMS supply voltage per plate	350 V	FullWave

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Forward voltage drop	21 V	At 250 mA DC



SOURCE DATA APPENDIX

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

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
ACPlateVoltageRMS	350 V	PerPlate
DC Output Voltage	335 V	—