

ELECTRONIC TUBE REFERENCE

6AU4GT

Rectifier - Damper Diode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

High-current television damping diode for horizontal-deflection circuits, providing roughly 4.5 kV peak inverse capability and strong repetitive forward-current service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	4CG	BASE PINS	8
NOMINAL HEATER	6.3 V / 1.8 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	
PEAK INVERSE VOLTAGE	4500 V
NOMINAL OUTPUT CURRENT	175 mA
PEAK FORWARD CURRENT	1.05 A
FORWARD VOLTAGE DROP	25 V
<i>Promoted from the printed maximum-rating/characteristic columns; operating points retained as section parameters.</i>	

Indirectly heated half-wave rectifier designed primarily as a television damping diode.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1950 Sylvania

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

1950 SYLVANIA

Section 1 · Rectifier

APPLICATION

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Service	Television damping diode	—



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	25 V	At 350 mA DC

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
DC output current maximum	175 mA	TVDamper
Peak inverse voltage maximum	4500 V	TVDamper
Peak current maximum	1050 mA	TVDamper

TUBE TINKER

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

