

ELECTRONIC TUBE REFERENCE

17AX4GT

Rectifier - Damper Diode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

High-voltage television horizontal-deflection damper diode with controlled heater warm-up and several-kilovolt peak-inverse capability.

GENERAL CHARACTERISTICS

BASE DESIGNATION	4CG	BASE PINS	6
NOMINAL HEATER	16.8 V / 450 mA	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	5000 V
NOMINAL OUTPUT CURRENT	125 mA
PEAK FORWARD CURRENT	600 mA
FORWARD VOLTAGE DROP	32 V
WARM-UP TIME	11 s
<i>Reference/equivalence-only source does not reproduce the referenced electrical ratings/characteristics; promoted values intentionally not inferred from external datasheets.</i>	

High-voltage damper diode for television horizontal-deflection service.



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
TransientPeakPlateCurrent	3 A	—



SOURCE OPERATING CONDITIONS

1965 Sylvania Electronic Tubes Vol3

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

1965 SYLVANIA ELECTRONIC TUBES VOL3

Section 1 · Rectifier

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak inverse voltage	5000 V	—
Peak plate current	1000 mA	—
DC plate current	165 mA	—

CAPACITANCE

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater-to-cathode capacitance	4 pF	—
Plate-to-cathode/heater capacitance	5 pF	—

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1966 Tung Sol Electronic Tubes 3 of 4

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

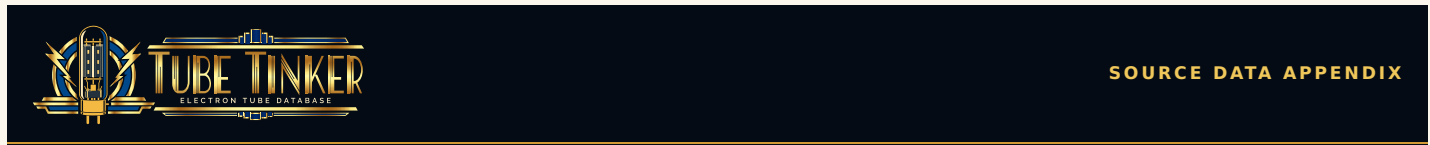
1966 TUNG SOL ELECTRONIC TUBES 3 OF 4

Section 1 · Rectifier

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HEATER VOLTAGE X	6.5 V	Published datasheet
HEATER CURRENT D	45 A	Published datasheet
TUBE VOLTAGE DROP WITH TUBE CONDUCTING	32 V	Published datasheet
A APPLICABLE WHERE THE DUTY CYCLE OF THE VOLTAGE PULSE DOES NOT EXCEED	154 V	Published datasheet
HEATER WARM-UP TIME IS DEFINED AS THE TIME REQUIRED FOR THE VOLTAGE TO	55 V	Published datasheet

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
DC COMPONENT	9 V	Published datasheet
TOTAL DC AND PEAK	4 V	Published datasheet
MAXIMUM PEAK INVERSE PLATE VOLTAGE A	4000 V	Published datasheet
MAXIMUM STEADY STATE PEAK PLATE CURRENT	600 mA	Published datasheet
MAXIMUM TRANSIENT PEAK PLATE CURRENT	3 mA	Published datasheet
MAXIMUM DC OUTPUT CURRENT	125 mA	Published datasheet
HEATER WARM-UP TIME ~APPROX. ~#	11 s	Published datasheet
CYCLE, AND ITS DURATION IS LIMITED TO	10 s	Published datasheet

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
CTXIS RATING APPLIES TO HOT SWITCHING WHERE TRANSIENT DURATION DOES NOT EXCEED	0.2 s	Published datasheet
TUNG-SOL ELECTRIC INC. ELECTRON TUBE DIVISION BLOOMFIELD NEW JERSEY. U.S.A- MAY 1968	677 mA	Published datasheet
E _f =	16.8 V	Published datasheet



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1968 General Electric Co

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

1968 GENERAL ELECTRIC CO Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Warmup Time	11 s	—