

ELECTRONIC TUBE REFERENCE

6DT4

Rectifier - Damper Diode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

RECTIFIER

High-voltage heater-cathode diode designed for color-television horizontal-deflection damper service with increased voltage and dissipation capability.

GENERAL CHARACTERISTICS

BASE DESIGNATION	4CG	BASE PINS	5
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 PLATE DISSIPATION	7.5 W
PEAK INVERSE VOLTAGE	5500 V
NOMINAL OUTPUT CURRENT	235 mA
PEAK FORWARD CURRENT	1.45 A
FORWARD VOLTAGE DROP	28 V
<i>Color-TV damper diode; 28 V drop at 350 mA.</i>	

The 6DT4 is a heater-cathode diode designed for damper service in color-television horizontal-deflection circuits, with increased voltage and dissipation capability.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1966 Tung Sol Electronic Tubes 2 of 4

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

1966 TUNG SOL ELECTRONIC TUBES 2 OF 4

Section 1 · Rectifier

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak inverse plate voltage	5500 V	DamperService
Peak plate current	1450 mA	DamperService
DC output current	235 mA	DamperService

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Tube voltage drop	28 V	PlateCurrent=350mA

CAPACITANCE

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater to cathode capacitance	3.5 pF	—
Plate to cathode and heater capacitance	7.5 pF	—
Cathode to plate and heater capacitance	10 pF	—

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