

ELECTRONIC TUBE REFERENCE

7DP4

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CATHODERAY

Seven-inch direct-view television CRT with electrostatic focusing, magnetic deflection, external conductive coating, and a double-field ion trap. Its anode operates to approximately 8 kV.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	6.3 V / 600 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Cathode Ray	
MAXIMUM PLATE VOLTAGE	8000 V
MAXIMUM SCREEN VOLTAGE	450 V
MAXIMUM HEATER-CATHODE VOLTAGE	450 V
Published promoted fields populated by semantic heading; identical repeated physical sections compressed.	

The 7DP4 is a seven-inch direct-view television CRT using electrostatic focusing, magnetic deflection, an external conductive coating and a double-field ion trap.



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 · Cathode Ray

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode2Grid3MaximumVoltage	8000 V	CRT
Anode4MaximumVoltage	2400 V	CRT
Anode2Dissipation	6 W	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1966 Tung Sol Electronic Tubes 4 of 4

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

1966 TUNG SOL ELECTRONIC TUBES 4 OF 4

Section 1 · Cathode Ray

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cathode to other electrodes capacitance	5 pF	WholeTube
Grid 1 to other electrodes capacitance	6 pF	WholeTube
External coating to anode capacitance maximum	1500 pF	WholeTube
External coating to anode capacitance minimum	400 pF	WholeTube
Heater Voltage	6.3 VOLTS	PublishedTable
Heater Current	0.6 AMP	PublishedTable

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
0c Negative – Bias Value	5 VOLTS	PublishedTable
Heater	0 VOLTS	PublishedTable
Dc Grid #2 Voltage	25 VOLTS	PublishedTable
Anode #1 Voltage For	1 VOLTS	PublishedTable
Dc Grid #I Voltage C	63 VOLTS	PublishedTable

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode 2 / grid 3 voltage	6000 V	WholeTube
Grid 2 voltage	250 V	WholeTube
Maximum Dc Anode #2> Grid #3 Voltage A	0 VOLTS	PublishedTable
Maximum Dc Anode #1 Voltage	400 VOLTS	PublishedTable
Maximum 0c Grid #2 Voltage	4 VOLTS	PublishedTable