

ELECTRONIC TUBE REFERENCE

7JP4

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CATHODERAY

Seven-inch direct-view television picture tube with electrostatic focusing and electrostatic deflection and a P4 white screen. Manufacturer documentation gives anode capability to approximately 6 kV.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	12
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	6000 V
MAXIMUM HEATER-CATHODE VOLTAGE	125 V
Promoted fields mapped by printed headings; additional data retained in parameters.	

A 7-inch direct-view electrostatic-focus and electrostatic-deflection television picture tube with P4 white phosphor.



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 · Cathode Ray

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterVoltageNominal	6.3 V	Nominal
HeaterCurrentNominal	600 mA	Nominal
DeflectionFactorVertical	216 V/in	ElectrostaticDeflection
DeflectionFactorHorizontal	177 V/in	ElectrostaticDeflection



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

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
CathodeToOtherElectrodesCapacitance	9.5 pF	Approximate

CONSTRUCTION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
DeflectionMethod	Electrostatic	—
FocusingMethod	Electrostatic	—



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 · Cathode Ray

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	6.3 V	Published datasheet line; semantic text-layer recovery
Over-all length. 1415 =	34 in	Published datasheet line; semantic text-layer recovery
Greatest diameter of bulb. 7%=	14 in	Published datasheet line; semantic text-layer recovery
Minimum useful screen diameter	6 in	Published datasheet line; semantic text-layer recovery
D1-D2 Trace aligns with Pin No. 5 and tube axis =	10 deg	Published datasheet line; semantic text-layer recovery
be adequate to limit the anode No. 2 input power to	6 W	Published datasheet line; semantic text-layer recovery
Anode No. 2 voltage. 3000	6000 V	Published datasheet line; semantic text-layer recovery
Anode No. 1 voltage (for focus)#. 810 to 1200 1620 to	2400 V	Published datasheet line; semantic text-layer recovery
Grid No. 1 voltage##. -36 to -84 - 72 to -	168 V	Published datasheet line; semantic text-layer recovery
Dland D26. 31 to	41 V	Published datasheet line; semantic text-layer recovery
D3and D4. 25 to	34 V	Published datasheet line; semantic text-layer recovery
For anode No. 2 voltage between 3000 and	6000 V	Published datasheet line; semantic text-layer recovery

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
*With	0 V	Published datasheet line; semantic text-layer recovery
*With	6000 V	Published datasheet line; semantic text-layer recovery

TUBE TINKER

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