

ELECTRONIC TUBE REFERENCE

6FY5

Voltage - Triode (single high frequency) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Remote-cutoff frame-grid shielded triode for VHF television RF amplification at low supply voltage.

GENERAL CHARACTERISTICS

BASE DESIGNATION	7FP	BASE PINS	7
NOMINAL HEATER	6.3 V / 200 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

7FP - TERMINAL PINOUT

TERMINAL	SECTION	ELEMENT	STATUS
PIN1 – K	A	K – Cathode	CONNECTED
PIN2 – G1	A	G1 – Control Grid	CONNECTED
PIN3 – H	–	H – Heater	CONNECTED
PIN4 – H	–	H – Heater	CONNECTED
PIN5 – P	A	P – Plate (Anode)	CONNECTED
PIN6 – IS	A	IS – Internal Screen	CONNECTED
PIN7 – K	A	K – Cathode	CONNECTED

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.013 S
AMPLIFICATION FACTOR	70
MAXIMUM PLATE VOLTAGE	200 V
MAXIMUM PLATE DISSIPATION	2.2 W
MAXIMUM CATHODE CURRENT	20 mA
<i>Published typical operating conditions, UHF/deflection ratings, and descriptive application reviewed.</i>	

Remote-cutoff frame-grid shielded triode for VHF television RF amplification at low supply voltage.



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 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
PlateVoltageTypical	200 V	Published operating/characteristic value
PlateCurrentTypical	11 mA	Published operating/characteristic value



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 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	6.3 V	—
Heater current	200 mA	—
Plate voltage	200 V	Typical operating conditions
Plate current	110.1 mA	Typical operating conditions



1963 Amperex Condensed

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

1963 AMPEREX CONDENSED

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	135 V	Published table
Control-grid bias	-4.5 V	Published table
Plate current	11 mA	Published table
Application	VHF television tuner RF amplifier	Published description

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	13000 μ S	Published table
Amplification factor	70	Published table
Heater voltage	6.3 V	Published heater rating
Heater current	200 mA	Published heater rating



SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

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 · Triode

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input capacitance	4.75 pF	—
Output capacitance	3.3 pF	—
Grid-to-heater capacitance	0.28 pF	—
Plate-to-cathode capacitance	0.25 pF	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-to-cathode capacitance	3.2 pF	—
Cathode-to-heater capacitance	2.5 pF	—
Plate-to-grid capacitance	0.7 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	135 V	Typical
Grid bias	-1 V	Typical;HighGainPoint
Plate current	11 mA	Typical;HighGainPoint
Zero-current plate-voltage rating	550 V	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	13000 uS	Typical;HighGainPoint
Amplification factor	70	—

TUBE TINKER

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

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