

3FY5

Voltage - Triode (single high frequency) electronic tube

Remote-cutoff frame-grid shielded triode for low-noise VHF television-tuner service around 220 MHz.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	7
NOMINAL HEATER	3.1 V / 450 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

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>Promoted only where the locked schema has a direct semantic match; additional published receiving-tube, pulse, rectifier, capacitance, and transmitting-tube values are retained in TUBE_SECTION_PARAMETER.</i>	

Remote-cutoff frame-grid shielded triode for low-noise VHF television tuner service around 220 MHz.



SOURCE OPERATING CONDITIONS

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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
MAXIMUM PLATE VOLTAGE	200 VOLTS	Published datasheet value
MAXIMUM PLATE VOLTAGE (ZERO PLATE CURRENT)	550 VOLTS	Published datasheet value
MAXIMUM CATHODE CURRENT	20 MA	Published datasheet value
MAXIMUM NEGATIVE GRID VOLTAGE	50 VOLTS	Published datasheet value
PLATE VOLTAGE 135 13H 135	136 VOLTS	Published datasheet value
PLATE CURRENT 11	0.1 MA	Published datasheet value



SOURCE OPERATING CONDITIONS

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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	RF Amplifier
Control-grid voltage	-4.5 V	RF Amplifier
Plate current	11 mA	RF Amplifier

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	13000 μ S	Section1
Amplification factor	70	Section1

SOURCE OPERATING CONDITIONS

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1966 Tung Sol Electronic Tubes 1 of 4

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

1966 TUNG SOL ELECTRONIC TUBES 1 OF 4

Section 1 · Triode

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input capacitance	4.75 pF	Section1
Output capacitance	3.3 pF	Section1
Grid-to-heater capacitance maximum	0.28 pF	Section1
Plate-to-cathode capacitance	0.25 pF	Section1
Grid-to-cathode capacitance	3.2 pF	Section1
Cathode-to-heater capacitance	2.5 pF	Section1

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Zero-current plate voltage maximum	550 V	Section1
Plate voltage	135 V	VHFTuner
Plate current	11 mA	VHFTuner
Application	Remote-cutoff frame-grid VHF tuner amplifier; controlled for low noise at 220 MHz	
		Section1

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Amplification factor	70	Section1

TUBE TINKER

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