



ELECTRONIC TUBE REFERENCE

2FY5

Voltage - Triode (single high frequency) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Remote-cutoff frame-grid triode for low-noise VHF tuner service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	7
NOMINAL HEATER	2.35 V / 600 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
TRANSCONDUCTANCE	0.013 S
AMPLIFICATION FACTOR	70
MAXIMUM PLATE VOLTAGE	550 V
MAXIMUM PLATE DISSIPATION	2.2 W
MAXIMUM HEATER-CATHODE VOLTAGE	200 V
Published promoted fields populated from Maximum Ratings / Characteristics / Typical Operation headings.	

Remote-cutoff frame-grid triode for low-noise VHF tuner service.



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

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	13000 μ S	Typical

CONSTRUCTION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
FrameGridConstruction	1	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

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	138 V	VHF tuner
Grid voltage	-4.5 V	VHF tuner
Plate current	11 mA	VHF tuner

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

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

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

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
GRID TO HEATER (MAX.)	0.28 MMF	GRID TO HEATER (MAX.) 0.28 0.28 μf
GRID TO CATHODE	3.2 MMF	GRID TO CATHODE 3.2 3.2 μf
PLATE TO GRID	9.48 MMF	PLATE TO GRID. 0.50 9.48 μf

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
MAXIMUM PLATE VOLTAGE (ZERO PLATE CURRENT)	550 V	Maximum Ratings MAXIMUM PLATE VOLTAGE (ZERO PLATE CURRENT) 550 VOLTS
MAXIMUM PLATE DISSIPATION	2.2 W	Maximum Ratings MAXIMUM PLATE DISSIPATION 2.2 WATTS
MAXIMUM GRID CIRCUIT RESISTANCE	1 Mohm	Maximum Ratings MAXIMUM GRID CIRCUIT RESISTANCE 1 MEGOHM
HEATER VOLTAGE ?~	4 V	Maximum Ratings HEATER VOLTAGE ?~4 VOLTS
HEATER CURRENT	600 mA	Maximum Ratings HEATER CURRENT 0.60 AMP.
PLATE VOLTAGE	135 V	Maximum Ratings PLATE VOLTAGE 135 135 135 VOLTS
NEGATIVE GRID BIAS	4.5 V	Maximum Ratings NEGATIVE GRID BIAS 1 3.1 5 4.5 VOLTS
PLATE CURRENT	1 mA	Maximum Ratings PLATE CURRENT 11 0.1 MA.

TUBE TINKER

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

