

ELECTRONIC TUBE REFERENCE

2E5

Tuning Indicator electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TRIODE-TUNING INDICATOR

Electron-ray visual indicator for receiver tuning or electrical level indication, using a fluorescent display whose pattern changes with control voltage.

GENERAL CHARACTERISTICS

BASE DESIGNATION	6R	BASE PINS	6
NOMINAL HEATER	2.5 V / 800 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Dissimilar

6R - TERMINAL PINOUT

TERMINAL	SECTION	ELEMENT	STATUS
PIN1 – H	–	H – Heater	CONNECTED
PIN2 – D	A	OTHER – Other Identified Element	CONNECTED
PIN3 – G1	A	G1 – Control Grid	CONNECTED
PIN4 – T	A	T – Target	CONNECTED
PIN5 – K	A	K – Cathode	CONNECTED
PIN7 – H	–	H – Heater	CONNECTED

SECTION RATINGS

SECTION1 Triode
No fixed ratings recorded.
Internal sharp-cutoff amplifier section.

SECTION2 Tuning Indicator	
MAXIMUM PLATE VOLTAGE	250 V
<i>Fluorescent indicating target section.</i>	

Electron-ray tuning indicator with a 2.5 V heater and published target-voltage and shadow-angle operating conditions.



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 2 · Tuning Indicator

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterOrFilamentVoltage	2.5 V	—
HeaterOrFilamentCurrent	800 mA	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

195X General Electric Essential Characteristics

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

195X GENERAL ELECTRIC ESSENTIAL CHARACTERISTICS

Section 2 · Tuning Indicator

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Target voltage maximum	250 V	TuningIndicator
Target voltage minimum	125 V	TuningIndicator
Plate voltage	250 V	TuningIndicator
Plate series resistance	1000000 Ω	TuningIndicator
Target voltage	250 V	TuningIndicator
Grid voltage	-8 V	Shadow0Degrees
Grid voltage	0 V	Shadow90Degrees
Plate current	0.24 mA	Shadow90Degrees
Target current	4 mA	TuningIndicator

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
SeriesTriodePlateResistor	1 Mohm	PlateAndTargetSupply=200V

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
TriodePlateCurrent	0.19 mA	TriodeGridVoltage=0V;Supply=200V

1961 TUNG SOL

Section 2 · Tuning Indicator

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Target Voltage Maximum	250 V	—
Target Voltage Minimum	100 V	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Target Current	3 mA	TriodeGridVoltage=0V;Supply=200V