



ELECTRONIC TUBE REFERENCE

6H5

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	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 300 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Dissimilar

SECTION RATINGS

SECTION1 Triode

MAXIMUM PLATE VOLTAGE	250 V
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Electrical section reconstructed from published ratings/characteristics; transconductance promoted in A/V.

SECTION2 Tuning Indicator

No fixed ratings recorded.

Physical section represented from published tube construction.

High-vacuum cathode-ray tuning indicator whose fluorescent shadow pattern varies with control-grid bias.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1937 Raytheon Radio Receiving Tubes

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

1937 RAYTHEON RADIO RECEIVING TUBES

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
" 'g Laximum Plate Supply Voltage	250 V	ClassA
liaximum Target Voltage	250 V	ClassA
liinimum Target Voltage	90 V	ClassA
Plate Supply Voltage	100 V	ClassA; Column1
Plate Supply Voltage	200 V	ClassA; Column2
Plate Supply Voltage	250 V	ClassA; Column3
Target Voltage	100 V	ClassA; Column1
Target Voltage	200 V	ClassA; Column2
Target Voltage	280 V	ClassA; Column3
Plate Resistor	0.5 ohm	ClassA; Column1
Plate Resistor	1 ohm	ClassA; Column2
Plate Resistor	1 ohm	ClassA; Column3
Target Current (approximate)	4.5	ClassA; Column1
Target Current (approximate)	4.5	ClassA; Column2
Target Current (approximate)	4.5	ClassA; Column3
Plate Current (zero blas)	0.19 mA	ClassA; Column1
Plate Current (zero blas)	0.19 mA	ClassA; Column2
Plate Current (zero blas)	0.24 mA	ClassA; Column3
Grid Bias (approximate)	-8 V	ClassA; Column1
Grid Bias (approximate)	-18.5 V	ClassA; Column2
Grid Bias (approximate)	22 V	ClassA; Column3

1937 RAYTHEON RADIO RECEIVING TUBES

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	6.3 V	Published heater rating
Heater current	300 mA	Published heater rating

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ELECTRON TUBE DATABASE

SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

SOURCE PDF

1938 Raytheon

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

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Section 2 · Tuning Indicator

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Supply 100 200	250 V	Plate Supply 100 200 250 volts
Resistor o5 1.0	1 MΩ	Resistor o5 1.0 1.0 megohm
Target 100 200	250 V	Target 100 200 250 volts
Shadow lingle 0 0	0 V	Shadow lingle 0 0 0 volts

TUBE TINKER

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

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