

ELECTRONIC TUBE REFERENCE

6AB5

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	6.3 V / 150 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	
MAXIMUM PLATE VOLTAGE	135 V
Published promoted fields populated from the datasheet; identical repeated sections compressed where applicable.	

SECTION2 Tuning Indicator

No fixed ratings recorded.

Triode indicator tube using a fluorescent target to provide a visible indication for tuning or similar level-display service.



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
Target voltage maximum	135 V	TuningIndicator
Plate supply voltage	135 V	TuningIndicator
Target voltage	135 V	TuningIndicator
Plate resistor	0.25 MΩ	TuningIndicator
Target current	4.5 mA	TuningIndicator
Plate current	0.5 mA	ZeroBias
Grid bias	-7.5 V	Shadow0Degrees
Grid bias	0 V	Shadow90Degrees



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1938 Raytheon

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

1938 RAYTHEON

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	643 V	Heater Voltage 643 volts
Heater Current	150 mA	Heater Current 0.15 amp
Maximum Plate Supply Voltage	135 V	Maximum Plate Supply Voltage 135 volts
Maximum Target Voltage	135 V	Maximum Target Voltage 135 volts

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Target Voltage	135 V	Target Voltage 135 volts
Plate Supply Voltage	135 V	Plate Supply Voltage 135 volts
Plate Resistor	0.25 MΩ	Plate Resistor 0.25 megohm
Target Current (Approximate)	4.5 mA	Target Current (Approximate) 4,5 ma,
Plate Current (Zero Bias)	0.5 mA	Plate Current (Zero Bias) 0.5 ma



SOURCE DATA APPENDIX

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 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Target voltage maximum	180 V	TuningIndicator
Target voltage minimum	125 V	TuningIndicator
Plate voltage	135 V	TuningIndicator
Target voltage	135 V	TuningIndicator
Grid voltage	-10 V	Shadow0Degrees
Grid voltage	0 V	Shadow90Degrees
Plate current	0.5 mA	Shadow90Degrees
Target current	2 mA	TuningIndicator