



ELECTRONIC TUBE REFERENCE

4662

Tuning Indicator electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TUNING INDICATOR

Neon gas-discharge visual indicator for receiver tuning or electrical level indication, using controlled glow rather than a conventional fluorescent electron-ray target.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	— / —	PARALLEL HEATER	— / —
HEATING	Indirect; cold cathode	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Tuning Indicator	
MAXIMUM SCREEN VOLTAGE	400 V
MAXIMUM SCREEN DISSIPATION	8 W
UHF power amplifier beam-power tube	

Neon tuning indicator with auxiliary-anode striking system.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1938 Philips Miniwatt Vacuum Tube Catalog

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

1938 PHILIPS MINIWATT VACUUM TUBE CATALOG

Section 1 · Tuning Indicator

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Auxiliary-anode striking voltage	165–190 V	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Main-anode operating voltage	150–170 V	FullyLightedCathode
Main-anode current	2 mA	FullyLightedCathode
Auxiliary-anode current	40–50 uA	FullyLightedCathode



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1957 Philips Receiving and Amplifying Tubes

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

1957 PHILIPS RECEIVING AND AMPLIFYING TUBES

Section 1 · Tuning Indicator

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Auxiliary-anode striking voltage minimum	165 V	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Auxiliary-anode striking voltage maximum	190 V	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode current maximum	2 mA	—


SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

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1963 Philips Electron Tubes Handbook V2

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

1963 PHILIPS ELECTRON TUBES HANDBOOK V2

Section 1 · Tuning Indicator

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Auxiliary-anode striking voltage	165–190 V	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Principal-anode operating voltage	150–170 V	FullyLightedCathode
Principal-anode current	2 mA	FullyLightedCathode
Auxiliary-anode current	40–50 uA	FullyLightedCathode


SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

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1971 RCA HB3 Binder 6 of 7

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

1971 RCA HB3 BINDER 6 OF 7

Section 1 · Tuning Indicator

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum DC Plate Voltage	2200 V	UHF power amplifier
Maximum DC Screen Voltage	400 V	UHF power amplifier
Maximum DC Plate Current	300 mA	UHF power amplifier
Plate Dissipation	400 W	UHF power amplifier
Screen Dissipation	8 W	UHF power amplifier
Typical Plate Voltage at 470 MHz	2000 V	UHF power amplifier
Typical Screen Voltage at 470 MHz	200 V	UHF power amplifier
Typical Plate Current at 470 MHz	300 mA	UHF power amplifier
Useful Power Output at 470 MHz	300 W	UHF power amplifier

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Mu Factor	12	UHF power amplifier
Grid-No.1 to Plate Capacitance	0.15 pF	UHF power amplifier
Grid-No.1 to Cathode Capacitance	16 pF	UHF power amplifier
Grid-No.2 to Plate Capacitance	7 pF	UHF power amplifier