



ELECTRONIC TUBE REFERENCE

PM84

Tuning Indicator electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TRIODE-TUNING INDICATOR

Series-heater electron-ray indicator with amplifying triode, designed for sensitive visual tuning indication in 300 mA heater-chain equipment.

GENERAL CHARACTERISTICS

BASE DESIGNATION	Noval	BASE PINS	9
NOMINAL HEATER	4.5 V / 300 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Dissimilar

SECTION RATINGS

SECTION 1 Triode

MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	0.5 W

Published values promoted where clearly readable; identical repeated sections compressed when applicable.

SECTION 2 Tuning Indicator

No fixed ratings recorded.

Published section data from supplied datasheet.

300 mA series-heater electron-ray indicator tube with amplifying triode for tuning indication.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

195X Tesla

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

195X TESLA

Section 1 · Triode

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	4.5 V	Published nominal value or midpoint of published range
Heater current	300 mA	Published nominal value or midpoint of published range

CAPACITANCE

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode-cathode capacitance	0.8 pF	Published first-page value



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Philips Electron Tubes Handbook V1

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

1963 PHILIPS ELECTRON TUBES HANDBOOK V1

Section 1 · Triode

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Supply voltage	170 V	TuningIndicator
Target voltage	170 V	TuningIndicator
Plate/deflector resistor	470 kΩ	TuningIndicator
Grid resistor	3 MΩ	TuningIndicator

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid voltage for maximum shadow	-15 V	TuningIndicator;170V
Plate plus deflector current at zero bias	0.3 mA	TuningIndicator;170V
Target current at zero bias	0.6 mA	TuningIndicator;170V
Supply voltage	220 V	TuningIndicator
Grid voltage for maximum shadow	-19.5 V	TuningIndicator;220V
Target current at zero bias	0.85 mA	TuningIndicator;220V

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Shadow length at zero bias	20 mm	TuningIndicator;170V