

ELECTRONIC TUBE REFERENCE

1EP11

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

CATHODERAY

Small cathode-ray oscillograph tube with electrostatic focusing and deflection and a P11 phosphor screen. RCA specifies a maximum anode or ultor voltage around 1.5 kV for waveform and indicator display service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 600 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Cathode Ray	
MAXIMUM PLATE VOLTAGE	1500 V
Cathode-ray electron-gun/screen system; anode/ultor maximum promoted to MaxPlateVoltage when explicitly published. No explicit X-ray precaution detected in the supplied source.	

1EP11 is a cathode-ray oscillograph tube intended for waveform and indicator display service. The supplied RCA data describes electrostatic focusing and electrostatic deflection, with a P11 phosphor screen and a published maximum anode/ultor voltage of 1500 V.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1971 RCA HB3 Binder 1 of 7

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

1971 RCA HB3 BINDER 1 OF 7

Section 1 · Cathode Ray

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	6.3 V	Nominal heater voltage
Heater Current	600 mA	Nominal heater current
Phosphor	P11	Published phosphor designation
GRID—N~	3 V	GRID—N~ 3 VOLTS ADJUSTED FOR FOGUS.
GRID—N°	1 V	GRID—N° 1 VOLTS

CONSTRUCTION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Focusing Method	Electrostatic	Published focusing method
Deflection Method	Electrostatic	Published deflection method

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
— GRID—N~3 VOLTS ADJUSTED FOR SHARP FpCUS	3 V	— GRID—N~3 VOLTS ADJUSTED FOR SHARP FpCUS

TUBE TINKER

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

[Catalog](#) [Tube types](#) [Full books](#) [Blog](#) [Feedback & corrections](#)

© 2026 Tube Tinker