ELECTRONIC TUBE REFERENCE

3ACP11A

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
CATHODERAY

Small electrostatically focused and deflected P1 cathode-ray tube for oscilloscope and precision-instrument display, with post-deflection acceleration and a 6.3 V heater.

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	6000 V

Published ratings and characteristics promoted where clearly stated.

The Du Mont 3ACP11A is a tight-tolerance flat-face single-beam CRT using post-acceleration for high light output, sensitivity, and small spot size. This variant uses a P11 screen with blue fluorescence and short persistence.

SOURCE OPERATING CONDITIONS

1938 Raytheon

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

1938 RAYTHEON

Section 1 · Cathode Ray

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater or filament voltage	**6.3 V**	Published nominal value
Heater or filament current	**600 mA**	Published nominal value
Deflection factor D1-D2	**175–205 V/in**	Published typical operation
Deflection factor D3-D4	**138–158 V/in**	Published typical operation

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum anode voltage	**6000 V**	Published maximum or peak rating

SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

1960 Du Mont

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

1960 DU MONT

Section 1 · Cathode Ray

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	**6.3 V**	—
Heater Current	**600 mA**	—
Focusing Method	**Electrostatic text**	—
Deflection Method	**Electrostatic text**	—
Phosphor	**P11 text**	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Fluorescence	**Blue text**	—
Persistence	**Short text**	—
Post-Acceleration	**Present text**	—

SOURCE OPERATING CONDITIONS

SOURCE PDF

1965 Sylvania Electronic Tubes Vol3

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

1965 SYLVANIA ELECTRONIC TUBES VOL3

Section 1 · Cathode Ray

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Focusing method	**Electrostatic**	—
Deflection method	**Electrostatic**	—
Heater voltage	**6.3 V**	—
Heater current	**600 mA**	—
Fluorescence	**Blue**	—
Post-deflection acceleration	**Present**	—

APPLICATION

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	**Oscilloscope / precision instrument display**	—

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Typical anode-2 voltage	**2000 V**	—
Focus voltage range	**390 to 550 V**	—
Grid cutoff voltage range	**-45 to -75 V**	—
Anode-2 voltage maximum	**3000 V**	—