



ELECTRONIC TUBE REFERENCE

10ANP7

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

CATHODERAY

Magnetically focused and deflected P7 cathode-ray display tube with blue fluorescence and long yellow phosphorescence, approximately 50-degree deflection, and typical 9 kV anode operation.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 300 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Cathode Ray

No fixed ratings recorded.

Special-purpose CRT electron-gun/display section.

The Sylvania 10ANP7 is a 10-inch magnetic-focus, magnetic-deflection special-purpose CRT using P7 phosphor.

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
Heater Voltage	6.3 V	—
Heater Current	300 mA	—
Focusing Method	Magnetic text	—
Deflection Method	Magnetic text	—
Deflection Angle	50 deg	Approximate
Phosphor	P7 text	—
Fluorescence	Blue text	—
Persistence	Long text	—
Maximum Line Width	0.013 in	—
Maximum Undelected Spot Radius	0.5 in	—
Phosphorescence	Yellow text	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Anode Voltage	12000 V	—
Maximum Grid2 Voltage	450 V	—
Maximum Grid1 Negative Bias	200 V	—
Maximum Grid1 Positive Bias	0 V	—
Maximum Heater-Cathode Voltage	180 V	EitherPolarity
Anode Voltage	9000 V	—
Grid2 Voltage	250 V	—
Grid1 Cutoff Voltage Minimum	-45 V	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid1 Cutoff Voltage Maximum	-15 V	—
Focusing Coil Current Minimum	40 mA	Approximate
Focusing Coil Current Maximum	60 mA	Approximate
Maximum Grid1 Circuit Resistance	1.5 Mohm	—

TUBE TINKER

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

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