ELECTRONIC TUBE REFERENCE

23AQP4

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
CATHODERAY

Twenty-three-inch direct-view Phototron television picture tube with electrostatic focusing, magnetic deflection, an aluminized screen, and rectangular viewing face. Thomas documentation identifies a conventional monochrome receiver CRT.

General characteristics

BASE DESIGNATION	—	**BASE PINS**	6
NOMINAL HEATER	6.3 V / 600 mA	**PARALLEL HEATER**	— / —
HEATING	Indirect	**SERIES OPERATION**	Not specified
CATHODE ARRANGEMENT	Separate cathodes	**SECTION CONSTRUCTION**	Similar

Section ratings

SECTION0 Cathode Ray

No fixed ratings recorded.

CRT electrode ratings, focusing/deflection data, capacitances, and operating voltages are preserved in parameter rows.

23-inch direct-view Phototron television picture tube with electrostatic focus, magnetic deflection, aluminized screen, and rectangular viewing face.

SOURCE OPERATING CONDITIONS

SOURCE PDF

1951 Thomas Electronics

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

1951 THOMAS ELECTRONICS

Section 0 · Cathode Ray

CHARACTERISTIC

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
FocusingMethod	**Electrostatic**	—
DeflectionMethod	**Magnetic**	—
Deflection Angle	**70 degree**	—
Heater Voltage	**6.3 V**	—
Heater Current	**600 mA**	—

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
TypicalMainAnodeOrAcceleratorVoltage	**16000 V**	—
MaximumFocusingElectrodeVoltage	**-500–1000 V**	—
Maximum Grid2 Voltage	**700 V**	—
Maximum Heater Cathode Voltage	**200 V**	AfterWarmup

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