ELECTRONIC TUBE REFERENCE

FW204

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
CATHODERAY

Five-inch magnetically focused direct-view storage cathode-ray tube. ITT documentation gives approximately 12 kV operation and identifies electronic storage as its primary function rather than continuously refreshed display.

General characteristics

BASE DESIGNATION	–	**BASE PINS**	–
NOMINAL HEATER	6.3 V / 2.1 A	**PARALLEL HEATER**	– / –
HEATING	Indirect	**SERIES OPERATION**	Not specified
CATHODE ARRANGEMENT	Separate cathodes	**SECTION CONSTRUCTION**	Similar

Section ratings

SECTION1 Cathode Ray

MAXIMUM PLATE VOLTAGE	12000 V

Five-inch magnetically focused direct-view storage cathode-ray tube.

SOURCE OPERATING CONDITIONS

1962 ITT

SOURCE PDF

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

1962 ITT

Section 1 · Cathode Ray

CHARACTERISTIC		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Heater Voltage	**6.3 V**	—
Heater Current	**2.1 A**	—
Typical Viewing Screen Voltage	**10000 V**	—
Collector Voltage	**150 V**	—
Write Cathode Voltage	**-2500 V**	—
Erase Pulse Amplitude	**3-10 V**	—
Erase Time	**5 ms**	—
Brightness	**2500 ft-L**	—
Writing Speed	**150000 in/s**	—

OTHER		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Maximum Viewing/High-Voltage Electrode Potential	**12000 V**	—
Viewing Time Maximum	**30 s**	—

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