

ELECTRONIC TUBE REFERENCE

FW208

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CATHODERAY

Seven-and-a-half-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 / 1.4 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

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

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1962 ITT

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	1.4 A	—
Typical Viewing Screen Voltage	10000 V	—
Collector Voltage	150 V	—
Write Cathode Voltage	-2500 V	—
Useful Display Diameter	6 in	—
Cathode Preheat Time	30 s	—
Flood Heater Current	1.4 A	—
Write Heater Current	600 mA	—

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

TUBE TINKER

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