

ELECTRONIC TUBE REFERENCE

FW211

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
CATHODERAY

2.5-inch direct-view storage cathode-ray tube designed to write and retain electronic information for persistent display. Its storage target allows information to remain visible without continuous refresh.

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 VOLTAGE10000 V

2.5-inch electrostatic 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	8500 V	—
Collector Voltage	135 V	—
Write Cathode Voltage	-900 V	—
Resolution at 200 ft-L	120 lines/in	—
Resolution at 2000 ft-L	80 lines/in	—
Light Output	4000 ft-L	—
Erase Time	5 ms	—
Viewing Time	5 s	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Viewing/High-Voltage Electrode Potential	10000 V	—