

ELECTRONIC TUBE REFERENCE

FW231

Specialized - Photo Tube electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
IMAGESTORAGE

Magnetically focused storage image tube combining image conversion with electronic charge storage. It supports writing an image, long-term viewing or retention, and rapid electronic erasure for specialized imaging systems.

GENERAL CHARACTERISTICS

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

SECTION RATINGS

SECTION1 ImageStorage	
MAXIMUM PLATE VOLTAGE	12000 V

The FW-231 is a magnetically focused storage image tube combining image conversion with electronic charge storage for write, long-term view, and rapid erase operation.

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 · ImageStorage

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Write Cathode Potential	-400 to -800 V	—
Read Cathode Potential	0 V	—
Erase Cathode Potential	0 V	—
Viewing Screen Potential	8-12 kV	—
Photocathode Spectral Response	S-11	—
Photocathode Luminous Sensitivity	15-30 $\mu\text{A}/\text{lm}$	—
Photocathode Radiant Sensitivity	0.015-0.024 A/W	—
Magnification	0.9-1.1	—
Storage Function	Halftone image storage with continuous readout	—