



ELECTRONIC TUBE REFERENCE

8130

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

CATHODERAY-CATHODERAY

Five-inch direct-view storage tube with separate writing and flood/viewing gun systems, designed for military airborne equipment requiring persistent electronic information display.

GENERAL CHARACTERISTICS

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

SECTION RATINGS

SECTION1 Cathode Ray	
MAXIMUM PLATE VOLTAGE	11000 V
Write gun section of dual-gun storage tube.	
SECTION2 Cathode Ray	
MAXIMUM PLATE VOLTAGE	11000 V
Read/flood gun section of dual-gun storage tube.	

Five-inch direct-view storage tube with separate writing and flood/viewing gun systems; military airborne design.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1971 Machlette Laboratories

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

1971 MACHLETTE LABORATORIES

Section 1 · Cathode Ray

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Write Gun Cathode Voltage	-3000 V	WriteGun
Write Gun Heater-Cathode Peak Voltage	180 V	WriteGun
Viewing Screen Voltage	11000 V	—

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Section 2 · Cathode Ray

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Storage Mesh Voltage Maximum	200 V	—
Collector Mesh Voltage	300 V	—
Flood Gun Anode Voltage	200 V	—
Viewing Screen Dissipation	10 W	—

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes,
and their source documents.

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