

ELECTRONIC TUBE REFERENCE

8521

Specialized - Photo Tube electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
CAMERAPICKUP

High-resolution 1.5-inch vidicon camera tube for industrial black-and-white television pickup with magnetic focus and deflection.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 600 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 CameraPickup
No fixed ratings recorded.
Promoted fields are used only where the published value maps cleanly to the locked schema; device-specific microwave, pulse, photoelectric, camera, and indicator data are preserved as parameter rows.

High-resolution 1.5-inch vidicon camera tube for industrial black-and-white television pickup, with magnetic focus and magnetic deflection.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1964 RMA EIA

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

1964 RMA EIA

Section 1 · CameraPickup

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid No.4 voltage maximum	1500 V	—
Grid No.3 voltage maximum	1500 V	—
Grid No.2 voltage maximum	550 V	—
Grid No.1 negative bias magnitude maximum	300 V	—
Target voltage maximum	100 V	—
Dark current maximum	0.25 uA	—
Peak target current maximum	0.6 uA	—
Grid No.4 voltage	1400 V	—
Grid No.3 voltage minimum	800 V	—
Grid No.3 voltage maximum	1000 V	—
Grid No.2 voltage	300 V	—
Grid No.1 cutoff voltage minimum	-100 V	—
Grid No.1 cutoff voltage maximum	-45 V	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Target capacitance	8 pF	ToAllOtherElectrodes

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Limiting resolution typical	1500 TV lines	Center
Limiting resolution minimum	1200 TV lines	Center

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Lag typical	30 %	1/20sAfterLightRemoved