

ELECTRONIC TUBE REFERENCE

8566

Specialized - Photo Tube electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CAMERAPICKUP

High-resolution vidicon camera tube designed for studio and industrial television pickup.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 95 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 CameraPickup
No fixed ratings recorded.
Vidicon camera-tube imaging section.

The 8566 is a high-resolution studio/industrial vidicon.

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

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	6.3 V	—
Heater Current	95 mA	—
Focusing Method	Magnetic text	—
Deflection Method	Magnetic text	—
Target Capacitance	4.5 pF	Approximate
Resolution Center	1000 TV lines	HighResolutionOperation
Resolution Corner	700 TV lines	HighResolutionOperation

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Grid1 Negative Bias	-150 V	—
Maximum Grid2 Voltage	750 V	—
Maximum Grid3 Voltage	750 V	—
Maximum Grid4 Voltage	1000 V	—
Maximum Target Voltage	100 V	—
Grid2 Voltage	300 V	—
Grid3 Voltage	290 V	Representative
Grid4 Voltage	450 V	Representative

TUBE TINKER

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

[Catalog](#) [Tube types](#) [Full books](#) [Blog](#) [Feedback & corrections](#)

© 2026 Tube Tinker