

ELECTRONIC TUBE REFERENCE

8092

Specialized - Photo Tube electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CAMERAPICKUP

Long-life image-orthicon television camera tube for live color pickup under low lighting. A high-gain thin-film semiconductor target, field mesh, magnetic focusing, and deflection provide sensitive color-camera operation.

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 mapped by printed headings; additional data retained in parameters.

Image orthicon television camera tube for live color pickup under low lighting, with a high-gain thin-film semiconductor target, field mesh, magnetic focus and deflection, and long-life design.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1968 General Electric Co

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

1968 GENERAL ELECTRIC CO

Section 1 · CameraPickup

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cathode-Unipotential Over-all Length. 15.20+	0.25 in	Published datasheet line; semantic text-layer recovery
Heater Voltage, ACor DC... 6.3=10%, Volts Greatest Diameter of Bulb 3.00+=	0.06 in	Published datasheet line; semantic text-layer recovery
Heater Current	600 mA	Published datasheet line; semantic text-layer recovery
Photocathode-Semi-transparent Diameter	234 in	Published datasheet line; semantic text-layer recovery
Response-S-10 Deflecting Coil Length	5 in	Published datasheet line; semantic text-layer recovery
Rectangular Image, 4 by 3 aspect ratio Focusing Coil Length	10 in	Published datasheet line; semantic text-layer recovery
Useful Size, maximum diagonal.. .. 1.8	1 in	Published datasheet line; semantic text-layer recovery
Deflecting Method-Magnetic the tube axis at an angle of less than	20 deg	Published datasheet line; semantic text-layer recovery
Photocathode Voltage. -	550 V	Published datasheet line; semantic text-layer recovery
Photocathode Voltage. -	350 V	Published datasheet line; semantic text-layer recovery
Anode Supply Voltage™	1350 V	Published datasheet line; semantic text-layer recovery
Anode Supply Voltage™	6 V	Published datasheet line; semantic text-layer recovery

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-No. 1 Voltage Negative Value	10 V	Published datasheet line; semantic text-layer recovery
Negative Bias Value	125 V	Published datasheet line; semantic text-layer recovery
Positive Bias Value	0 V	Published datasheet line; semantic text-layer recovery
Grid-No. 2 and Dynode-No. 1 Voltage	350 V	Published datasheet line; semantic text-layer recovery
PublishedData	125 V	Published datasheet line; semantic text-layer recovery
Grid-No. 3 Voltage	400 V	Published datasheet line; semantic text-layer recovery
Grid-No. 4 Voltage	300 V	Published datasheet line; semantic text-layer recovery
Grid-No. 5 Voltage	150 V	Published datasheet line; semantic text-layer recovery
Grid-No. 6 Voltage. –	550 V	Published datasheet line; semantic text-layer recovery
focus. –400 to –	540 V	Published datasheet line; semantic text-layer recovery
focus. –400 to –	1 V	Published datasheet line; semantic text-layer recovery
Cutoff, beam..... –45to =	115 V	Published datasheet line; semantic text-layer recovery
Voltage	300 V	Published datasheet line; semantic text-layer recovery
focus. . . 225 to	330 V	Published datasheet line; semantic text-layer recovery
Grid-No. 4 Voltage. beam focus 140 to	180 V	Published datasheet line; semantic text-layer recovery
Grid-No, 5 Voltage, decelerator. 0to	125 V	Published datasheet line; semantic text-layer recovery
Voltage, approximate..... –300 to –	405 V	Published datasheet line; semantic text-layer recovery
Voltage, approximate..... –300 to –	20 V	Published datasheet line; semantic text-layer recovery
Dynode-No. 2 Voltage	600 V	Published datasheet line; semantic text-layer recovery
Dynode-No. 3 Voltage	800 V	Published datasheet line; semantic text-layer recovery

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Dynade-No. 4 Voltage	1000 V	Published datasheet line; semantic text-layer recovery
Dynode-No. 5 Voitage	1200 V	Published datasheet line; semantic text-layer recovery
Anode Voltage	1250 V	Published datasheet line; semantic text-layer recovery
The target supply voltage should be adjustable from =3 to +	35 V	Published datasheet line; semantic text-layer recovery
+	2 V	Published datasheet line; semantic text-layer recovery

TUBE TINKER

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

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