

ELECTRONIC TUBE REFERENCE

Z5395

Specialized - Photo Tube electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CAMERAPICKUP

Developmental image-orthicon television camera tube using magnetic focusing and magnetic deflection.

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 CameraPickup	
MAXIMUM CATHODE CURRENT	14 mA
<i>Promoted fields mapped semantically from printed ratings/characteristics headings; pulsed and microwave-specific limits remain in parameter rows when fixed-field semantics are ambiguous.</i>	

Developmental image orthicon television camera tube with magnetic focus and magnetic deflection.

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
Heater Voltage, ACor DC 6.3 +	105 V	Heater Voltage, ACor DC 6.3 + 105 Volts
Heater Current i e e e e	600 mA	Heater Current i e e e e 0.6 Amperes
Usetul Size, Maximuw Didoonal	1.8 in	Usetul Size, Maximuw Didoonal 1.8 Inches
Photocathode Voltage, image focuse - =	500 V	Photocathode Voltage, image focus =500 Volts
Tirid-No. 1 Voltage for Picture Cut-off, beam	-115 V	Tirid-No. 1 Voltage for Picture Cut-off, beam - -115 Volts
Grid-No. 4 Voltage, beam focusg 1	180 V	Grid-No. 4 Voltage, beam focusg 1 180 Volts
Grid-No. { Voltage, decelerator	125 V	Grid-No. { Voltage, decelerator - 125 Volts
T5 Percent of Photocathode Voltage, approximate, ... -300	-405 V	T5 Percent of Photocathode Voltage, approximate, ... -300 - -405 Volts
Dynode-No. 5 Voltage	1200 V	Dynode-No. 5 Voltage 1200 Volts
Target Voltage, without blanking voltage 0	20 V	Target Voltage, without blanking voltage 0 - 20 Volts
' T A /	25 %	' T A / 25%as

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Over-all Length. i e e e e 15.20 +	0.25 in	Over-all Length. i e e e e 15.20 + 0.25 Inches
Greatest Diameter of Bulb. SEUDR . 3.00	0.06 in	Greatest Diameter of Bulb. SEUDR . 3.00 . 0.06 Inches
Minimum Deflecting Coil Inside Diameter 2 3/8	8 in	Minimum Deflecting Coil Inside Diameter 2 3/8 Inches
Deflecting Coil Length e	5 in	Deflecting Coil Length , ... e 5 Inches
Focusing Coill Leength L	10 in	Focusing Coill Leength L. . . . 10 Inches
Alignment Coil Length 15/	16 in	Alignment Coil Length 15/16 Inches

TUBE TINKER

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