

ELECTRONIC TUBE REFERENCE

GL7409

Specialized - Photo Tube electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CAMERAPICKUP

Low-light-level image-orthicon television camera tube designed for highly sensitive image pickup. Its internal target and electron-scanning system produce usable video signals from dim scenes.

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 PLATE VOLTAGE	1550 V
Promoted fields mapped from printed ratings/characteristics headings; specialized published data retained in parameter rows.	

Low-light-level image orthicon television camera tube.

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-allLength. 15.20%=	0.25 in	Cathode—Unipotential Over-allLength. 15.20%=0.25 Inches
Heater Greatest Bulb Diameter. 3.00=	0.06 in	Heater Greatest Bulb Diameter. 3.00=0.06 Inches
Current..... .. 0.6 Amperes Length	5 in	Current..... .. 0.6 Amperes Length. 5 Inches
Spectral Response—S-10 Focusing-Coil Length	10 in	Spectral Response—S-10 Focusing-Coil Length. 10 Inches
Useful Size, maximum diagonal	1.8 in	Useful Size, maximum diagonal. 1.8 Inches Photocathode Distance Inside
Orientation—Proper orientation is obtained End of Focusing Coil	14 in	Orientation—Proper orientation is obtained End of Focusing Coil. 14 Inches
(minimum) applied is greater than	500 ohms	(minimum) applied is greater than 500 ohms.
Amplifier bandwidth—total	20 MHz	Amplifier bandwidth—total 20 mc, flat to 6 mc
Target Raster: Target diameter is	1.4 in	Target Raster: Target diameter is 1.40 inches. For corners of scanning raster just touching target edge raster dimensions

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
£ Y> T	4 v	£ Y> T4 v> o ~ d
of Buib . 3.00	2008 in	of Buib . 3.00 2008 Inches
Heatet Voltage, AC or DC 0.6 Ampere . L Mmimum Deflecting-C	8 in	Heatet Voltage, AC or DC 0.6 Ampere . L Mmimum Deflecting-C 08 Inches

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
i(s A	42 %	i(s A42%71,028"
040™.002"	1 A	040™.002"01A

TUBE TINKER

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

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