

ELECTRONIC TUBE REFERENCE

GL5820

Specialized - Photo Tube electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CAMERAPICKUP

Television camera tube with a semitransparent photocathode, magnetic focusing and deflection, and image-multiplier structure. Designed for low scene illumination, it converts faint optical images into scanned video signals.

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

SECTION0 CameraPickup	
MAXIMUM PLATE VOLTAGE	1350 V
MAXIMUM HEATER-CATHODE VOLTAGE	125 V
Image-pickup camera section; maximum anode supply and heater-cathode voltage promoted; photocathode/dynode/target values retained as parameters.	

The GL-5820 is a television camera tube with semitransparent photocathode, magnetic focusing and deflection, and image-multiplier structure for operation at low scene illumination.



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 0 · CameraPickup

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Photocathode Voltage Maximum	-550 V	—
Photocathode Illumination Maximum	50 foot-candle	—
Grid No.2 and Dynode No.1 Voltage Maximum	350 V	—
Typical Anode Voltage	1250 V	TypicalOperation

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Signal Output Current Peak-to-Peak	24 uA	MaximumTypical

TUBE TINKER

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

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