



# PHOTOTUBE

## DESCRIPTION

The GL-929 is a high-vacuum, two-electrode phototube which has extraordinarily high sensitivity to light sources predominating in blue radia-

tion. Because of its excellent stability, and high sensitivity, the GL-929 is particularly suited for measurement and relay applications.

## TECHNICAL INFORMATION

*These data are for reference only. For design information refer to specifications.*

## GENERAL CHARACTERISTICS

Number of electrodes..... 2

### Electrical

Spectral response.....	S-4
Luminous sensitivity at 250 volts, 0 cycles.....	45 microamperes per lumen
Interelectrode capacitance.....	2.6 micromicrofarads
Maximum dark current at 250 volts.....	0.0125 microampere
Wavelength of maximum response.....	4000 angstroms
Sensitivity at maximum response.....	0.040 microampere per microwatt



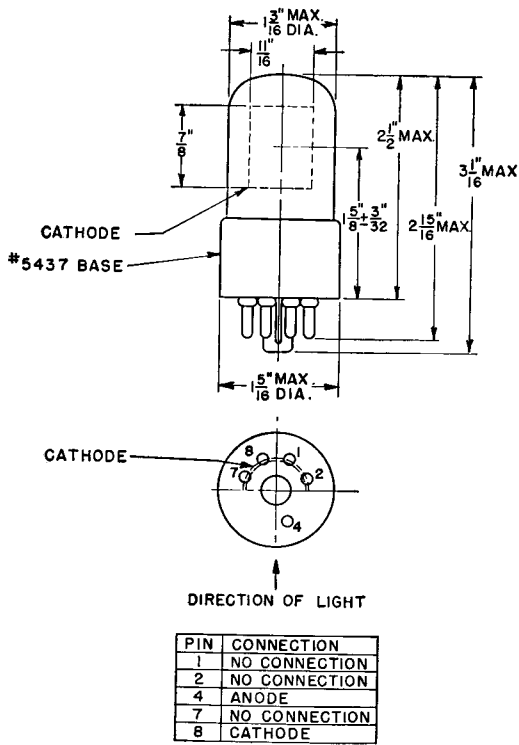
**TECHNICAL INFORMATION (CONT'D)**

**Mechanical**

Window dimensions.....	$\frac{11}{16} \times \frac{7}{8}$ inches
Seated height to center of useful area.....	$1\frac{5}{8} \pm \frac{3}{32}$ inches
Maximum over-all height.....	$3\frac{1}{16}$ inches
Maximum seated height.....	$2\frac{1}{2}$ inches
Maximum diameter.....	$1\frac{5}{16}$ inches
Base.....	M8-046
Mounting position.....	Any
Net weight, approx.....	$\frac{3}{4}$ ounce
Shipping weight, approx.....	3 pounds

**MAXIMUM RATINGS**

Anode voltage, d-c or peak a-c.....	250 volts
Cathode current density.....	102 microamperes per square inch
Ambient temperature.....	50 centigrade

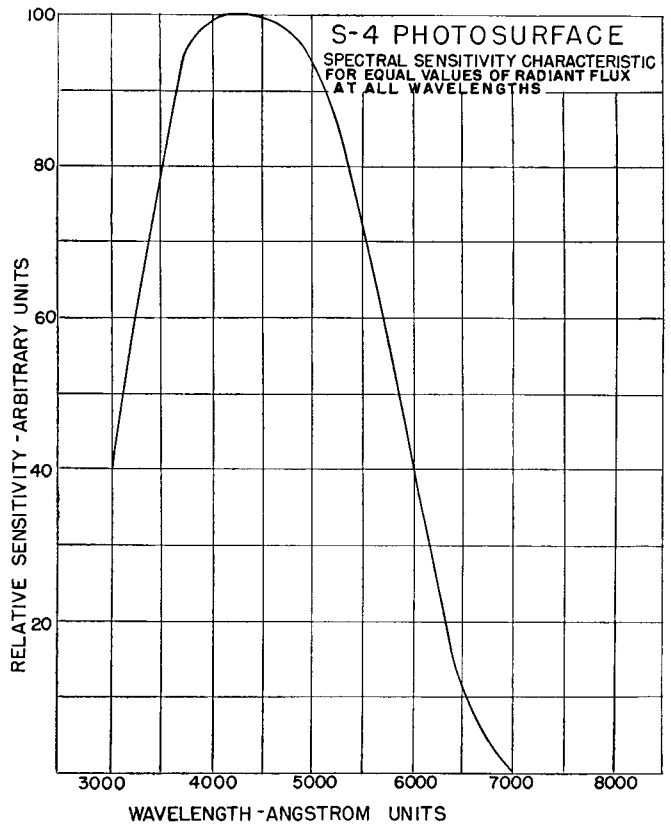


PIN	CONNECTION
1	NO CONNECTION
2	NO CONNECTION
4	ANODE
7	NO CONNECTION
8	CATHODE

OUTLINE  
GL-929 PHOTOTUBE

K-8070703

6-30-44



K-8639625

4-27-44