



# PHOTOTUBE

## DESCRIPTION

The GL-930 is a two-electrode, gas-filled phototube which is used in measurement and relay applications. The S-1 photosurface used in this

tube has a high sensitivity to red radiation. The GL-930 is designed particularly for use where the illumination on the phototube is low.

## TECHNICAL INFORMATION

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

## GENERAL CHARACTERISTICS

Number of electrodes . . . . . 2

### Electrical

Spectral response . . . . . S-1  
 Luminous sensitivity at 90 volts, 0 cycles . . . . . 135 microamperes per lumen  
 Maximum gas amplification . . . . . 10  
 Interelectrode capacitance . . . . . 2.6 micromicrofarads  
 Maximum dark current at 90 volts . . . . . 0.1 microamperes  
 Wavelength of maximum response . . . . . 8000 angstroms  
 Sensitivity at maximum response . . . . . 0.0130 microampere per microwatt



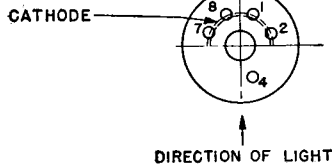
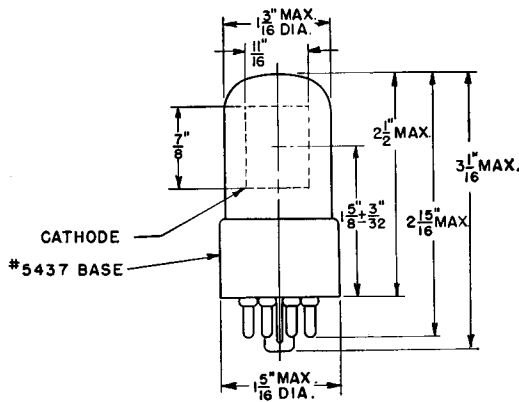
**TECHNICAL INFORMATION (CONT'D)**

**Mechanical**

Window dimensions.....	$\frac{11}{16} \times \frac{7}{8}$ inches
Seated height to center of useful cathode area.....	$1\frac{5}{8} \pm \frac{3}{32}$ inches
Maximum over-all height.....	$3\frac{1}{16}$ 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.....	90 volts
Cathode current density.....	102 microamperes per square inch
Ambient temperature.....	100 centigrade

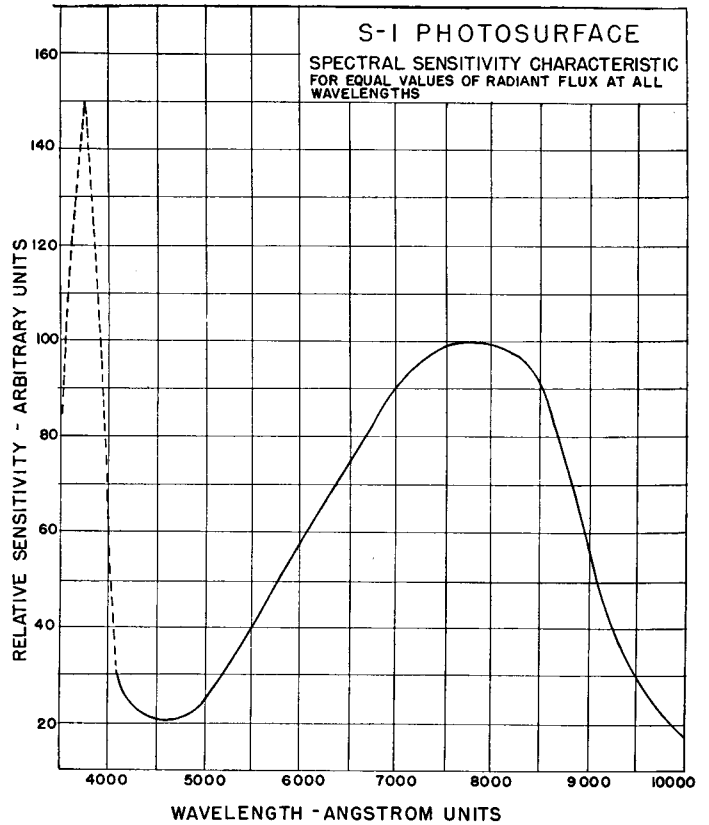


PIN	CONNECTION
1	NO CONNECTION
2	NO CONNECTION
4	ANODE
7	NO CONNECTION
8	CATHODE

OUTLINE  
 GL-930 PHOTOTUBE

K-8070703

6-30-44



K-8639626

4-17-44