



# PHOTOTUBE

## DESCRIPTION

The GL-927 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 and 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

### Electrical

Number of electrodes . . . . .	2	
Spectral response . . . . .	S-1	
Luminous sensitivity at 90 volts, 0 cycles . . . . .	125	microamperes per lumen
Interelectrode capacitance . . . . .	2.0	micromicrofarads
Wavelength of maximum response . . . . .	7500	angstroms
Sensitivity at maximum response . . . . .	0.0150	microampere per microwatt



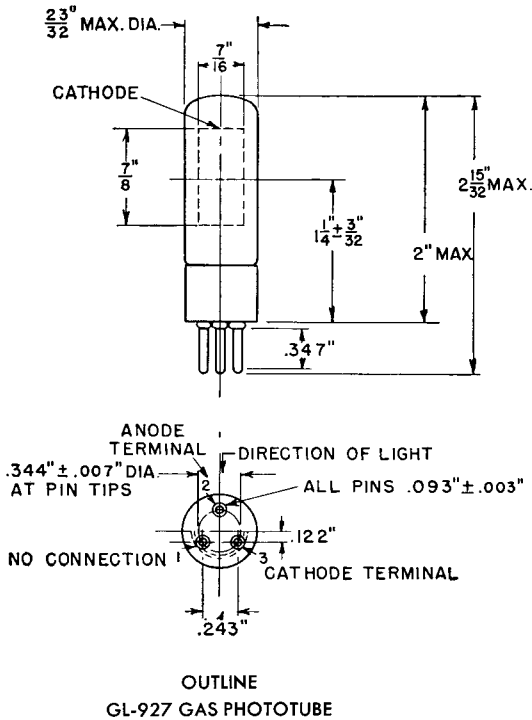
**TECHNICAL INFORMATION (CONT'D)**

**Mechanical**

Window dimensions.....	$\frac{7}{16} \times \frac{7}{8}$ inch
Seated height to center of useful cathode area.....	$1\frac{1}{4} \pm \frac{3}{32}$ inches
Maximum over-all height.....	$2\frac{5}{32}$ inches
Maximum seated height.....	.2 inches
Maximum diameter.....	$\frac{23}{32}$ inch
Base.....	3313
Mounting position.....	Any
Net weight, approx.....	$\frac{1}{2}$ ounce
Shipping weight, approx.....	3 pounds

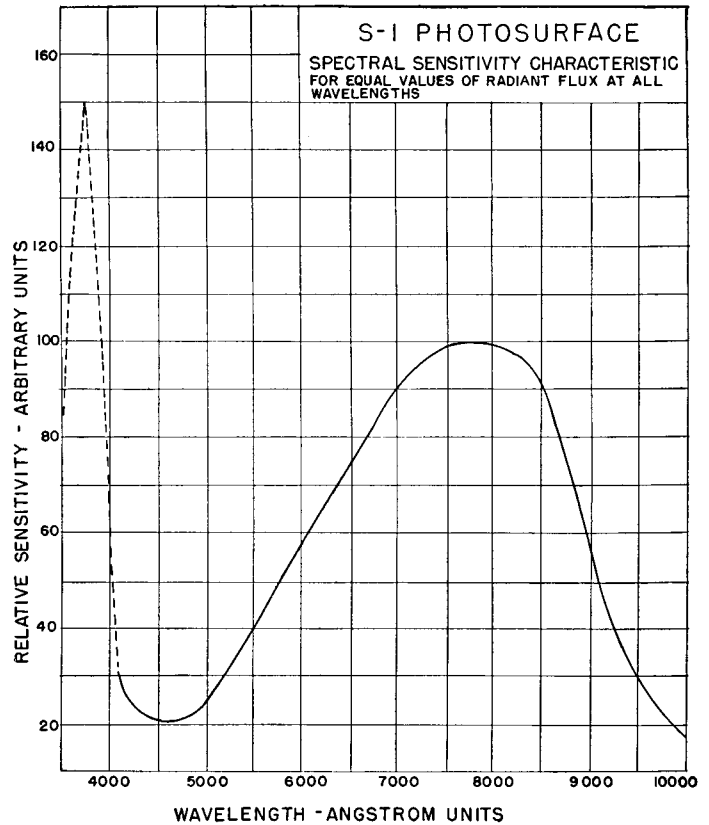
**MAXIMUM RATINGS**

Anode voltage, d-c or peak a-c.....	90 volts
Cathode current density.....	101 microamperes per square inch
Ambient temperature.....	100 centigrade



K-8277040

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