



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



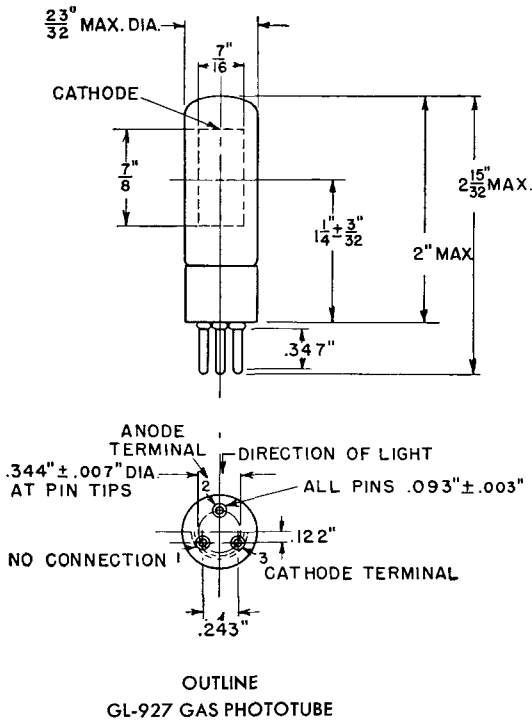
TECHNICAL INFORMATION (CONT'D)

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.....	$2\frac{15}{32}$ 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

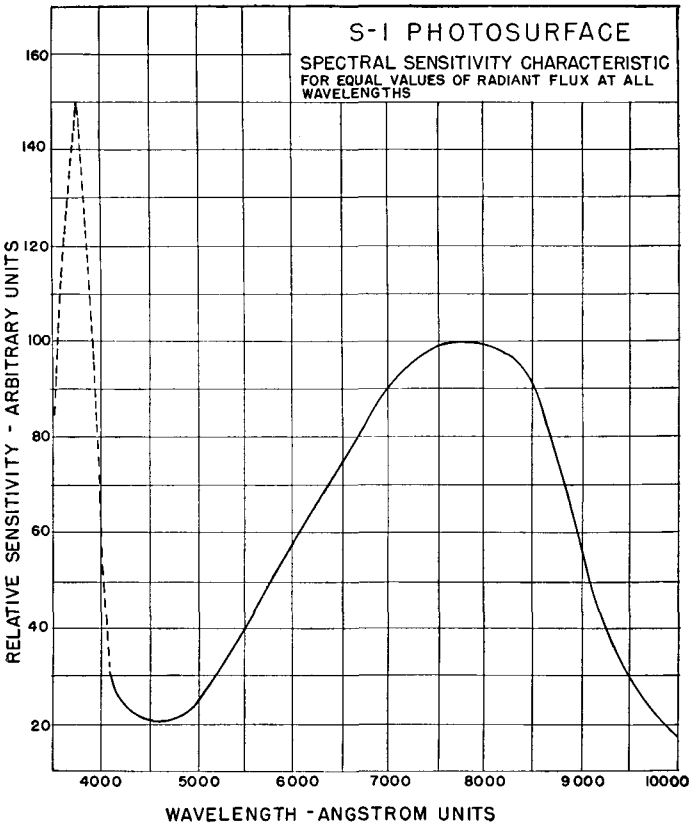
MAXIMUM RATINGS

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



K-8277040

8-18-44



K-8639626

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