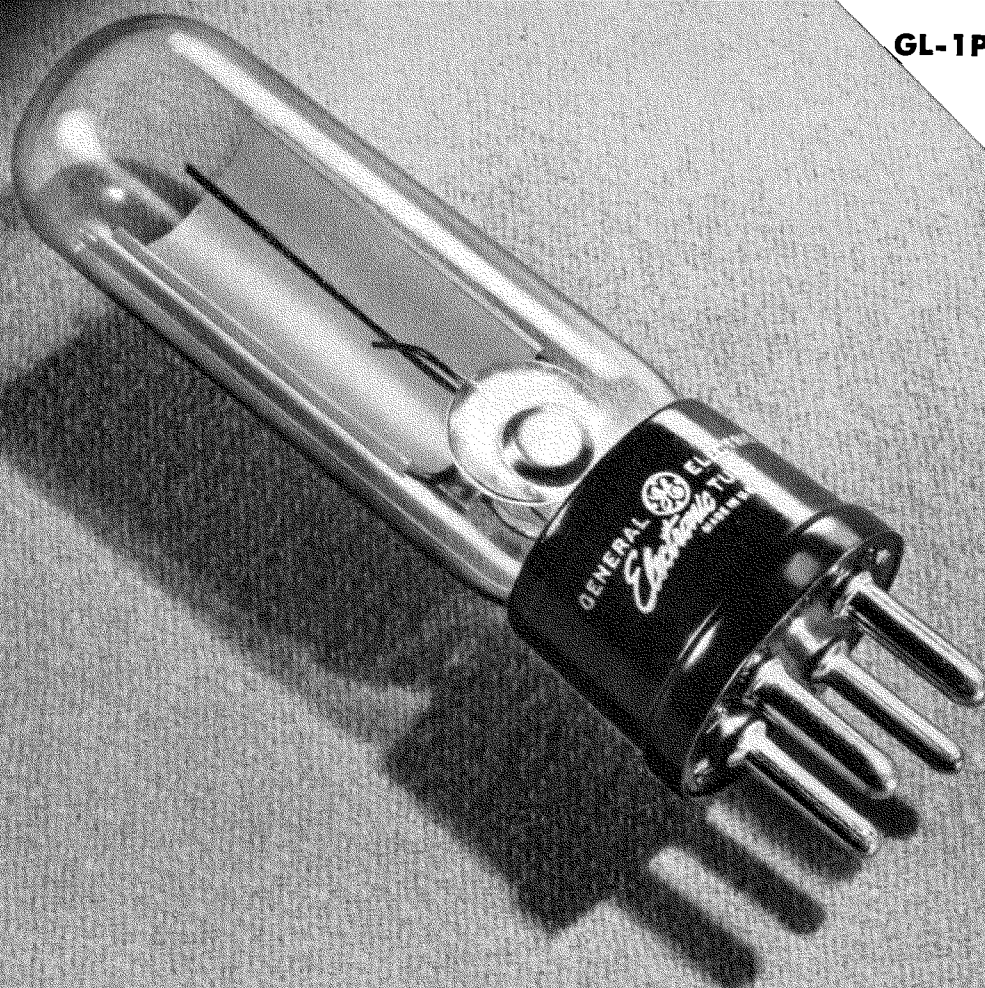




PHOTOTUBE

DESCRIPTION

This gas-filled, two-electrode phototube is useful in photoelectric control apparatus where a high degree of output per unit of light flux is required. The GL-1P29/FJ-401 has a high sensitivity in the visible range of the spectrum and reaches its maximum output in the blue portion.

TECHNICAL INFORMATION

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

GENERAL CHARACTERISTICS

Number of electrodes..... 2

Electrical

Spectral response.....	S-3
Maximum gas amplification.....	9.0
Interelectrode capacitance.....	2.5 micromicrofarads
Maximum dark current at 90 volts.....	0.1 microampere
Wavelength of maximum response.....	4200 angstroms
Sensitivity at maximum response.....	0.010 microampere per microwatt


Electronic
TUBE

GENERAL  ELECTRIC

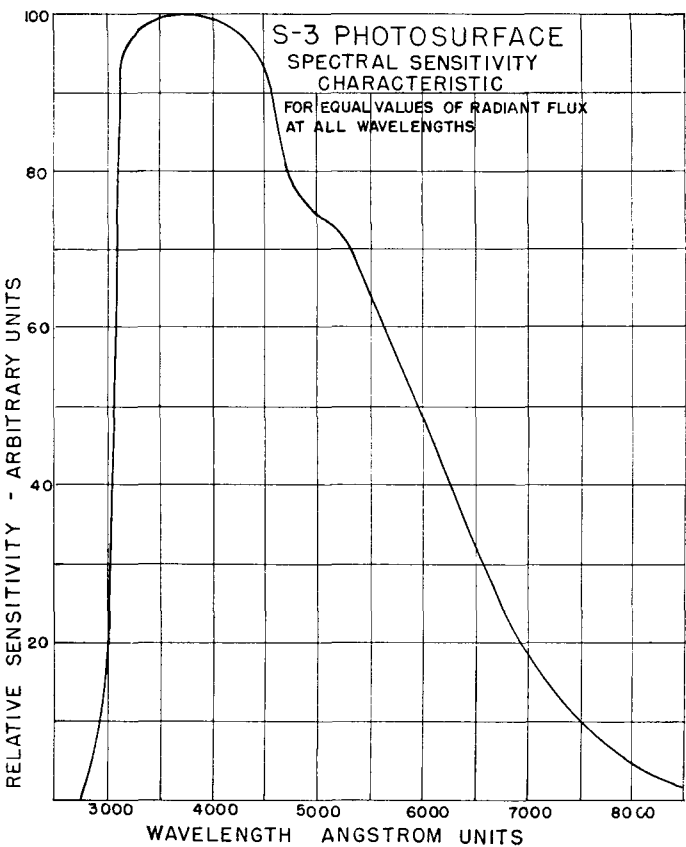
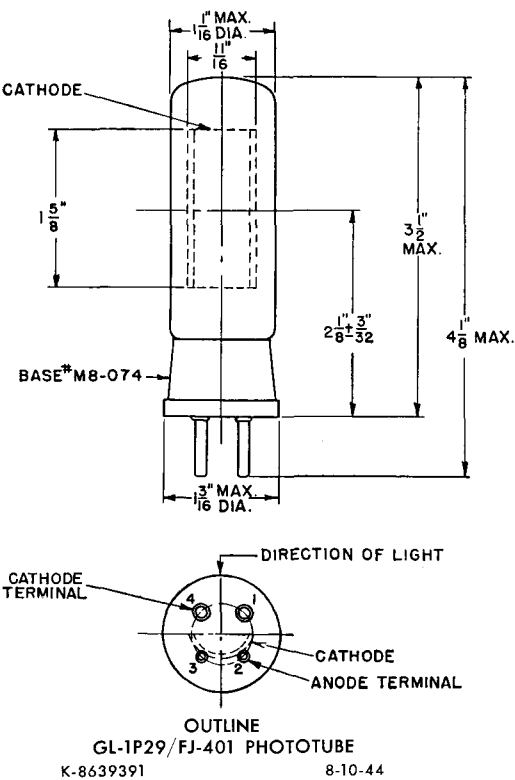
TECHNICAL INFORMATION (CONT'D)

Mechanical

Window dimensions	$\frac{11}{16} \times 1\frac{5}{8}$ inches
Seated height to center of useful cathode area	$2\frac{1}{8} \pm \frac{3}{32}$ inches
Maximum over-all height	$4\frac{1}{8}$ inches
Maximum seated height	$3\frac{1}{2}$ inches
Maximum diameter	$1\frac{1}{16}$ inches
Base	M8-074
Mounting position	Any
Net weight, approx.	$\frac{1}{2}$ ounce

MAXIMUM RATINGS

Anode voltage, d-c or peak a-c	100 volts
Cathode current density	152 microamperes per square inch
Ambient temperature	100 centigrade



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