

## 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**

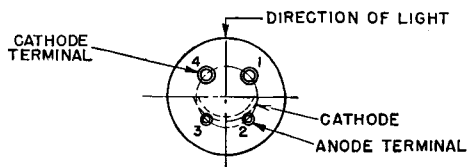
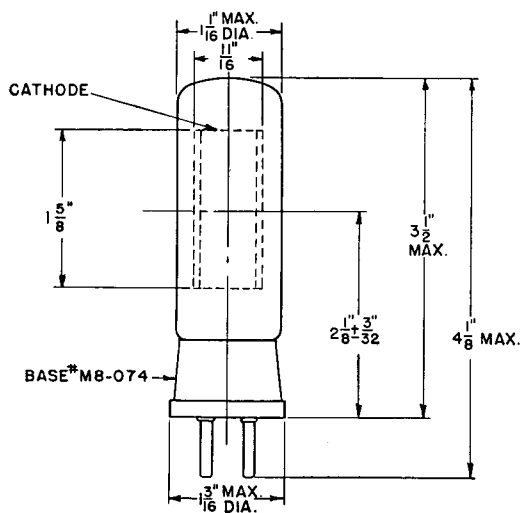
**TECHNICAL INFORMATION (CONT'D)**

**Mechanical**

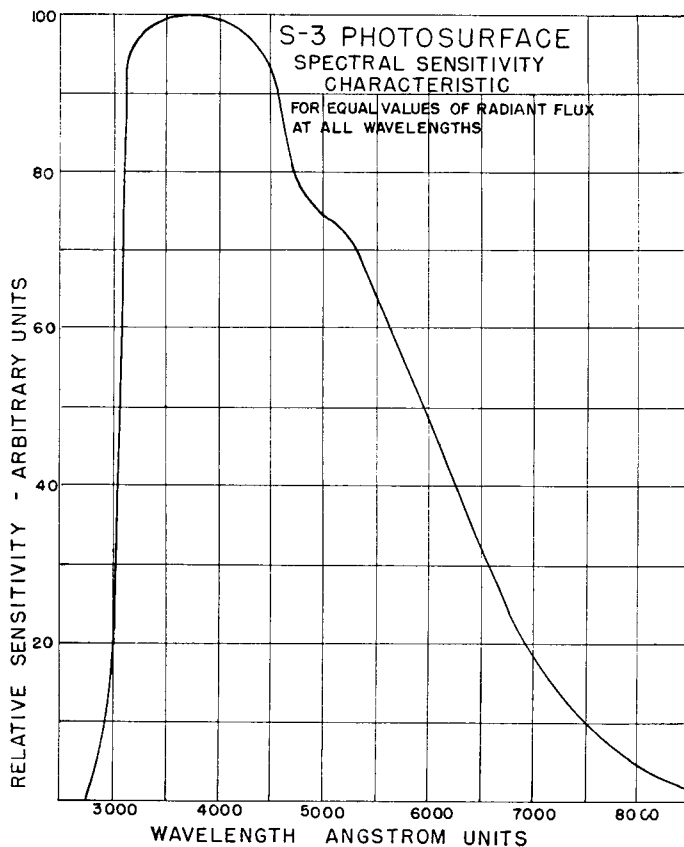
Window dimensions	$\frac{11}{16} \times 1 \frac{5}{8}$ inches
Seated height to center of useful cathode area	$2 \frac{1}{8} \pm \frac{3}{32}$ inches
Maximum over-all height	$4 \frac{1}{8}$ inches
Maximum seated height	$3 \frac{1}{2}$ inches
Maximum diameter	$1 \frac{3}{16}$ inches
Base	M8-074
Mounting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



OUTLINE  
 GL-1P29/FJ-401 PHOTOTUBE  
 K-8639391 8-10-44



K-8639624

3-23-44