

PHOTOTUBE

DESCRIPTION

The GL-441 is a high-vacuum, two-electrode phototube which has high sensitivity to light sources predominating in blue radiation. Because of its excellent stability, and high sensitivity, it is particularly suitable for measurement and relay applications.

TECHNICAL INFORMATION

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

GENERAL CHARACTERISTICS

Number of electrodes	2
Electrical	
Spectral response	S-4
Luminous sensitivity at 250 volts, 0 cycles45 microamperes per lumen
Maximum gas amplification	1.2
Interelectrode capacitance	3.0 micromicrofarads
Maximum dark current at 250 volts	0.1 microampere
Wavelength of maximum response	4000 angstroms
Sensitivity at maximum response	0.040 microampere per microwatt



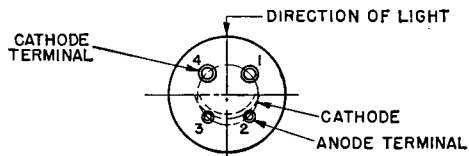
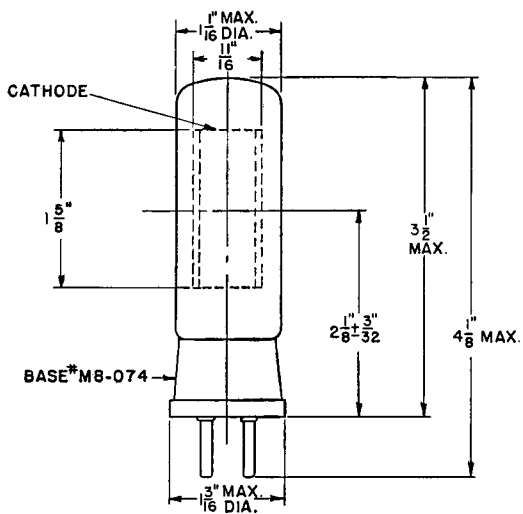
TECHNICAL INFORMATION (CONT'D)

Mechanical

Window dimensions.....	$\frac{11}{16} \times 1\frac{1}{8}$ inches
Seated height to center of useful area.....	$2\frac{1}{8} = \frac{9}{32}$ 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
Shipping weight, approx.....	3 pounds

MAXIMUM RATINGS

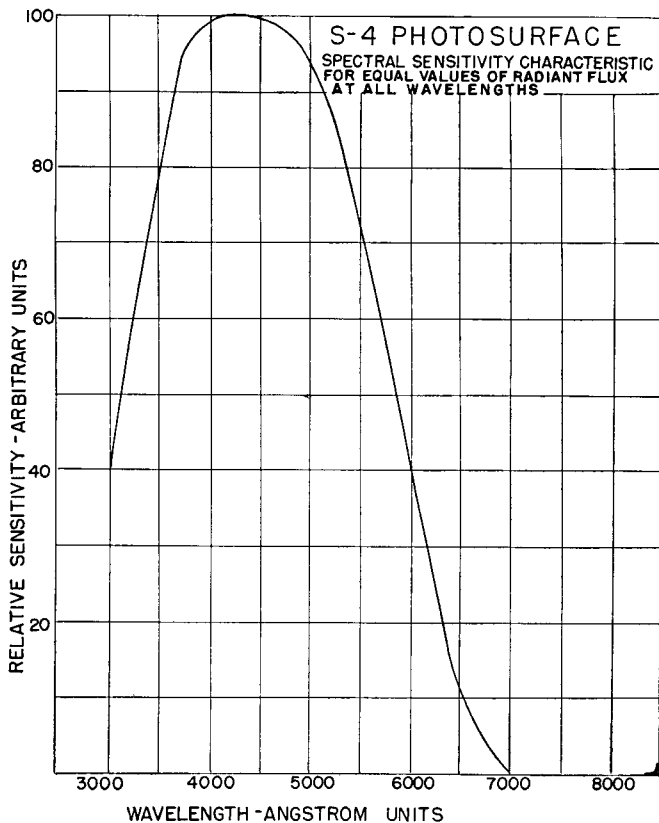
Anode voltage, d-c or peak a-c.....	250 volts
Cathode current density.....	.102 microamperes per square inch
Ambient temperature.....	50 centigrade



OUTLINE
 PHOTOTUBE GL-441

K-8639391

8-10-44



K-8639625

4-27-44