PHOTOTUBE

DESCRIPTION

The GL-917 is a two-electrode high-vacuum phototube for measurement and relay applications. It has high sensitivity in the red and infrared regions of the spectrum. Construction affords high resistance to leakage current between electrodes, with resultant stability of operation and permanence of calibration. The anode of the GL-917 is connected to the top cap, while in the GL-919 the cathode is connected to the top cap. As a result of this reversal of connections, the GL-917 may be used in series with the GL-919 with resultant very small leakage current and high overall sensitivity.

TECHNICAL INFORMATION

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

GENERAL CHARACTERISTICS

Number of electrodes	2	
Electrical		
Spectral response	S-1	
Luminous sensitivity at 250 volts, 0 cycles	20	microamperes per lumen
Interelectrode capacitance	2.0	micromicrofarads
Wavelength of maximum response	8000	angstroms
Sensitivity at maximum response	0.0020	microampere per microwatt

GE Electronic TUBE

GENERAL ELECTRIC

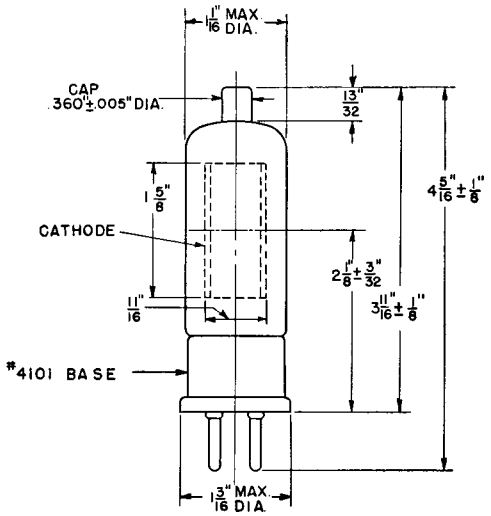
TECHNICAL INFORMATION (CONT'D)

Mechanical

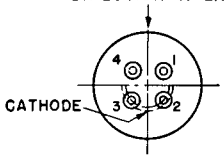
Window dimensions	$\frac{11}{16}$ x $1\frac{5}{8}$	inches
Seated height to center of useful cathode area	$2\frac{1}{8}$ $\pm\frac{3}{32}$	inches
Maximum over-all height	$4\frac{7}{16}$	inches
Maximum seated height	$3\frac{13}{16}$	inches
Maximum diameter	$1\frac{3}{16}$	inches
Cap	M8-125	
Base	M8-074	
Mounting position	Any	
Net weight, approx	$\frac{3}{4}$	ounce
Shipping weight, approx	3	pounds

MAXIMUM RATINGS

Anode voltage, d-c or peak a-c	500	volts
Cathode current density	152	microamperes per square inch
Ambient temperature	100	centigrade



DIRECTION OF LIGHT



PIN	GL-917	GL-919
1		
2		ANODE
3		
4	CATHODE	
TOP CAP	ANODE	CATHODE

OUTLINE
PHOTOTUBE GL-917

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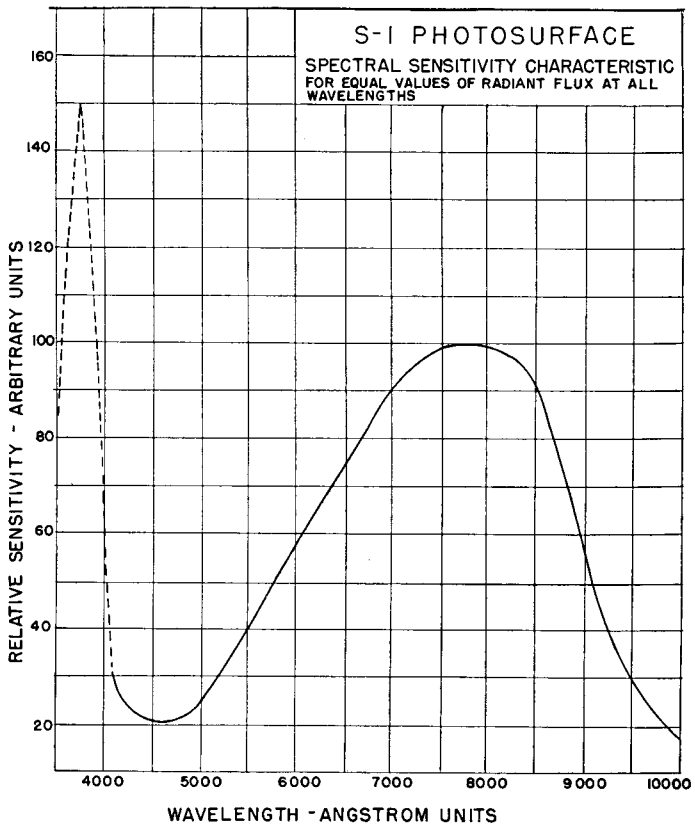

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Electronics Department

GENERAL ELECTRIC

Schenectady, N. Y.