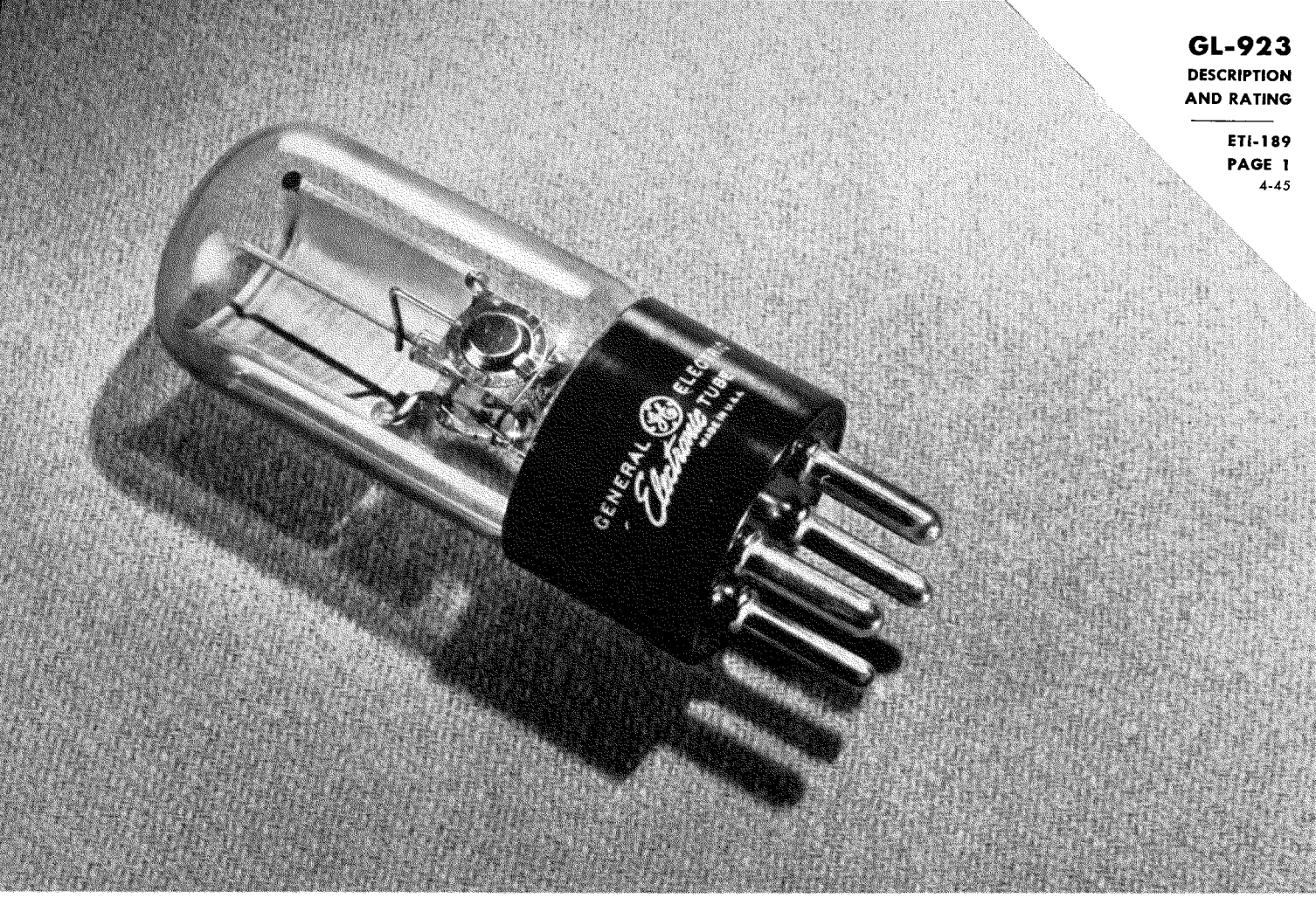


PHOTOTUBE

DESCRIPTION

The GL-923 is a two-electrode, gas-filled phototube 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

Number of electrodes 2

Electrical

Spectral response	S-1	
Luminous sensitivity at 90 volts, 0 cycles	135	microamperes per lumen
Maximum gas amplification	10.0	
Interelectrode capacitance	2.6	micromicrofarads
Maximum dark current at 90 volts	0.1	microampere
Wavelength of maximum response	8000	angstroms
Sensitivity at maximum response	0.0130	microampere per microwatt

Electronic TUBE

GENERAL ELECTRIC

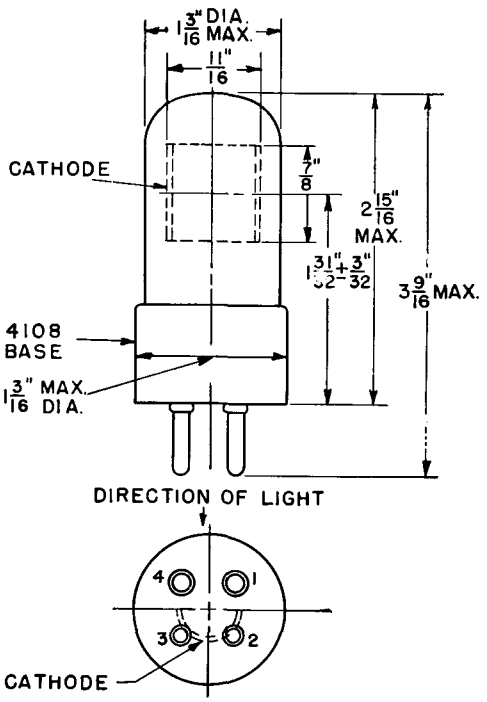
TECHNICAL INFORMATION (CONT'D)

Mechanical

Window dimensions	$\frac{11}{16}$ x $\frac{7}{8}$	inches
Seated height to center of useful cathode area	$1\frac{31}{32} \pm \frac{3}{32}$	inches
Maximum over-all height	$3\frac{9}{16}$	inches
Maximum seated height	$2\frac{15}{16}$	inches
Maximum diameter	$1\frac{3}{16}$	inches
Base	M8-071	
Mounting position	Any	
Net weight, approx	$\frac{3}{4}$	ounce
Shipping weight, approx	3	pounds

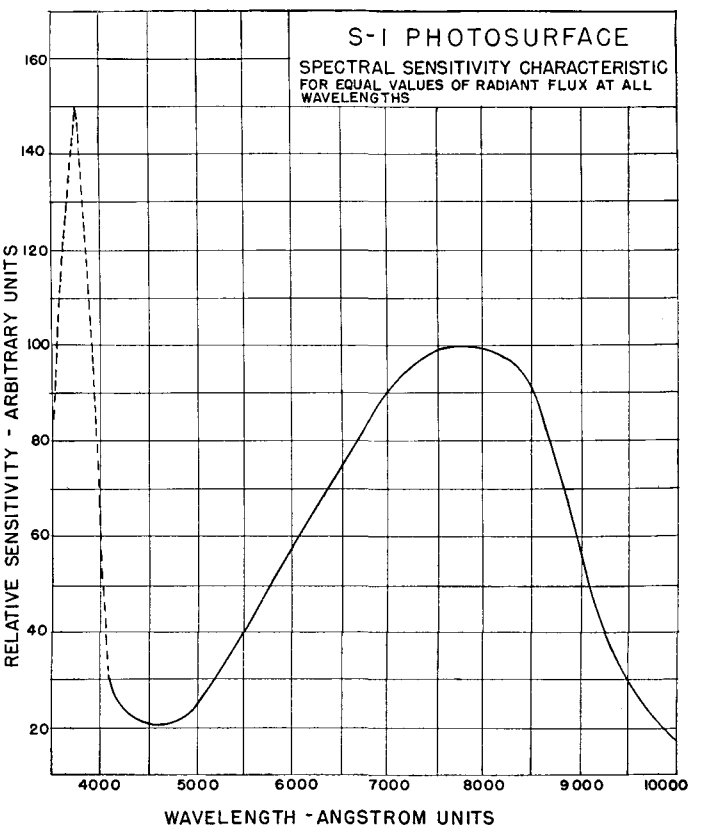
MAXIMUM RATINGS

Anode voltage, d-c or peak a-c	90	volts
Cathode current density	102	microamperes per square inch
Ambient temperature	100	centigrade



PIN	CONNECTION
1	NO CONNECTION
2	ANODE
3	NO CONNECTION
4	CATHODE

OUTLINE
GL-923 PHOTOTUBE
K-8065599 6-30-44



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