



PHOTOTUBE

DESCRIPTION

The GL-920 is designed for sound reproduction applications. The S-1 photosurface used in this tube has high sensitivity in the red and infrared region.

Two separate phototube units are mounted in the envelope with the cathode and anode of each unit brought out to separate base connections.

TECHNICAL INFORMATION

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

GENERAL CHARACTERISTICS

Number of electrodes	4
Electrical	
Spectral response	S-1
Luminous sensitivity at 90 volts, 0 cycles	75 microamperes per lumen
Maximum gas amplification	9.0
Interelectrode capacitances, between cathode and anode of each unit	1.5 micromicrofarads

TECHNICAL INFORMATION (CONT'D)

Mechanical

Window dimensions	$\frac{1}{4}$ inch by 1 inch
Seated height to center of useful cathode area	$2\frac{1}{4} = \frac{5}{2}$ inches
Maximum over-all height	4 inches
Maximum seated height	$3\frac{3}{8}$ inches
Maximum diameter	$1\frac{3}{16}$ inches
Base	A4-5
Mounting position	Any
Net weight, approximate	1 ounce
Shipping weight	3 pounds

MAXIMUM RATINGS

Anode voltage, d-c or peak a-c	90 volts
Cathode current density	20 microamperes per square inch
Ambient temperature	100 centigrade

