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

GENERAL ELECTRIC
TECHNICAL INFORMATION (CONT'D)

Mechanical
Window dimensions ........................................... 1\(\frac{1}{4}\) x 1\(\frac{5}{8}\) inches
Seated height to center of useful cathode area .......... 2\(\frac{7}{8}\) ± \(\frac{1}{32}\) inches
Maximum over-all height ................................... 4\(\frac{7}{8}\) inches
Maximum seated height ...................................... 3\(\frac{3}{8}\) inches
Maximum diameter ......................................... 1\(\frac{1}{8}\) inches
Base .............................................. M8-074
Mounting position .......................................... Any
Net weight, approx .......................................... \(\frac{3}{8}\) ounce

MAXIMUM RATINGS
Anode voltage, d-c or peak a-c .............................. 100 volts
Cathode current density .................................... 0.152 microamperes per square inch
Ambient temperature ........................................ 100 centigrade