

Photoemissive phototube designed for light measurement, relay, or industrial photoelectric detection.

## GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | —                 | BASE PINS            | —             |
| NOMINAL HEATER      | — / —             | PARALLEL HEATER      | — / —         |
| HEATING             | Indirect          | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes | SECTION CONSTRUCTION | Similar       |

## SECTION RATINGS

|                                                                                                                                                                                                          |      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| SECTION1 PhotoemissiveDetector                                                                                                                                                                           |      |
| MAXIMUM PLATE VOLTAGE                                                                                                                                                                                    | 90 V |
| Phototube has no dedicated canonical SectionType; applicable published electrical ratings/characteristics are promoted where schema fields exist and other data are preserved in TUBE_SECTION_PARAMETER. |      |

Gas phototube using an S-1 photosurface for high sensitivity at low illumination.

## SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

# 1968 General Electric Co

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1968 GENERAL ELECTRIC CO

## Section 1 · PhotoemissiveDetector

| CHARACTERISTIC                  |                                        |                                                          |
|---------------------------------|----------------------------------------|----------------------------------------------------------|
| PARAMETER                       | PUBLISHED VALUE                        | CONDITION / NOTE                                         |
| Luminous sensitivity at         | <b>90 V</b>                            | Published datasheet value; semantic OCR text extraction. |
| Interelectrode capacitance      | <b>2.6 pF</b>                          | Published datasheet value; semantic OCR text extraction. |
| Maximum dark current at         | <b>90 V</b>                            | Published datasheet value; semantic OCR text extraction. |
| Wavelength of maximum response  | <b>8000 angstroms</b>                  | Published datasheet value; semantic OCR text extraction. |
| Sensitivity at maximum response | <b>0.013 microampere per microwatt</b> | Published datasheet value; semantic OCR text extraction. |

| OTHER                         |                 |                                                          |
|-------------------------------|-----------------|----------------------------------------------------------|
| PARAMETER                     | PUBLISHED VALUE | CONDITION / NOTE                                         |
| Anode voltage, d-cor peak a-c | <b>90 V</b>     | Published datasheet value; semantic OCR text extraction. |
| Cathode current density       | <b>0.102 mA</b> | Published datasheet value; semantic OCR text extraction. |

## TUBE TINKER

An independent reference for electronic tubes, vacuum tubes, and their source documents.

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