

Gas-filled two-electrode phototube with S-1 photocathode for photoelectric light detection.

GENERAL CHARACTERISTICS

BASE DESIGNATION	2K	BASE PINS	–
NOMINAL HEATER	– / –	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1	PhotoemissiveDetector
No fixed ratings recorded.	

The 1P23 is a gas-filled two-electrode phototube with an S-1 cathode photosurface.

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 90 V 0 cycles	50 uA/Lm	—
Relative luminous sensitivity at 90 V 10000 cycles	70 %	—
Interelectrode capacitance	245 pF	—
Leakage resistance minimum	900 Mohm	—
Wavelength of maximum response	7500 angstrom	—
Sensitivity at maximum response	60 uA/uW	—
Anode current density	102 uA/in2	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode voltage	100 V	—
Ambient temperature maximum	100 C	—

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