

Gas-filled two-electrode phototube using an S-1 photosensitive cathode for optical detection.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	3
NOMINAL HEATER	— / —	PARALLEL HEATER	— / —
HEATING	Indirect; cold cathode	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 PhotoemissiveDetector	
MAXIMUM PLATE VOLTAGE	90 V
Gas-filled phototube represented as SectionType=Other.	

Gas-filled two-electrode phototube with S1 photosensitive cathode.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Rauland

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

1963 RAULAND

Section 1 · PhotoemissiveDetector

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Luminous sensitivity	125 $\mu\text{A}/\text{lm}$	90 V
Maximum gas amplification	10	—
Wavelength of maximum response	8500 angstrom	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum dark current	0.1 μA	90 V
Maximum average cathode current	2 μA	—
Maximum anode voltage	90 V	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Interelectrode capacitance	1.5–4 pF	—

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