

ELECTRONIC TUBE REFERENCE

1P32

Specialized - Photo Tube electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PHOTOEMISSIVEDETECTOR

Gas-filled two-electrode S-1 phototube intended for general photoelectric light detection.

GENERAL CHARACTERISTICS

BASE DESIGNATION	2F	BASE PINS	3
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
Gas-filled two-electrode phototube; S1 spectral response.	

1P32 is a gas-filled phototube intended for photoelectric light detection, with published spectral response, sensitivity, dark-current and cathode-current ratings.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1945 Continental Electronics

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

1945 CONTINENTAL ELECTRONICS

Section 1 · PhotoemissiveDetector

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Spectral Response	S1	—
Luminous Sensitivity	95— uA/lm	90 V; 0 cycles
Gas Amplification	12	Maximum
Interelectrode Capacitance	1.1–4 pF	—
Wavelength Maximum Response	8000 angstrom	Approximate
Sensitivity at Maximum Response	0.01 uA/uW	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Dark Current	—0.1 uA	90 V
Cathode Current Density	—100 uA/in2	Maximum
Average Cathode Current	—2 uA	0.2 sq in sensitive cathode area

TUBE TINKER

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and their source documents.

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