

ELECTRONIC TUBE REFERENCE

P568

Specialized - Photo Tube electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PHOTOEMISSIVEDETECTOR

Gas-filled ultraviolet-sensitive detector designed for furnace flame control, fire detection, and ultraviolet measurement.

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 CATHODE CURRENT	10 mA
Published ratings and characteristics promoted semantically from the approved source.	

The Sylvania P568 is a gas-filled ultraviolet-sensitive detector for furnace flame control, fire detection, and UV measurements.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1950 Sylvania

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

1950 SYLVANIA

Section 1 · PhotoemissiveDetector

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Cathode Current	10 mA	—
AC Supply Voltage	1000 V	—
Average Tube Current Maximum	10 mA	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Tube Voltage Drop	300 V	Approximately +/-15 V
Average Operating Current	6 mA	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1965 Sylvania Electronic Tubes Vol3

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

1965 SYLVANIA ELECTRONIC TUBES VOL3

Section 1 · PhotoemissiveDetector

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Anode Supply Voltage	1000 V	—
Maximum Average Anode Current	10 mA	—
Minimum Ambient Temperature	-20 degC	—
Maximum Ambient Temperature	100 degC	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode Supply Voltage	500 V	CandleFlameAt4to5Inches
Auxiliary Supply Voltage	300 V	CandleFlameAt4to5Inches
Average Anode Current	6 mA	50or60Hz

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Spectral Sensitivity Minimum	1900 angstrom	—
Spectral Sensitivity Maximum	2900 angstrom	—
Peak Sensitivity Wavelength	2400 angstrom	—
Maximum Background Count Rate	1 ppm	CosmicRadiationAtSeaLevel

TUBE TINKER

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and their source documents.

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