



ELECTRONIC TUBE REFERENCE

8318

Specialized - Photo Tube electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PHOTOCONDUCTIVEDETECTOR

Cadmium-sulfide photoconductive cell designed for visible-light sensing and industrial relay or control applications.

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

SECTION 1 PhotoconductiveDetector

No fixed ratings recorded.

Photoconductive cell; spectral and construction data retained as parameters.

Cadmium-sulfide photoconductive cell with high visible-light sensitivity; mounting form Miniature.



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 · PhotoconductiveDetector

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Wavelength of maximum response	6100 angstrom	—

CONSTRUCTION

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Photoconductor material	Cadmium sulfide	—



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 · PhotoconductiveDetector

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Breakdown voltage2	300 V	Breakdown voltage2 300 Volts industrial applications.

CHARACTERISTIC

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
5. Measured in complete darkne]],	10 s	5. Measured in complete darkne]],10 Seconds dfer reunotydl of 2 FC illumination.

TUBE TINKER

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

[Catalog](#) [Tube types](#) [Full books](#) [Blog](#) [Feedback & corrections](#)

© 2026 Tube Tinker