

ELECTRONIC TUBE REFERENCE

8477

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

SECTION1	PhotoconductiveDetector
No fixed ratings recorded. Promoted fields are used only where the published value maps cleanly to the locked schema; device-specific microwave, pulse, photoelectric, camera, and indicator data are preserved as parameter rows.	

Cadmium-sulfide photoconductive cell for industrial light-sensing and relay/control applications.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1964 RMA EIA

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

1964 RMA EIA

Section 1 · PhotoconductiveDetector

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Wavelength of maximum response	6100 angstrom	Nominal; ± 400
Cell resistance	12000 Ohm	Illumination=2fc;ColorTemperature=2870K
Dark resistance minimum	1200000 Ohm	Dark

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Breakdown voltage	300 V	—
Dissipation at 25 degC	50 mW	—
Dissipation at 70 degC	5 mW	—
Ambient temperature minimum	-40 degC	—
Ambient temperature maximum	70 degC	—

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

CONSTRUCTION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Sensitive material	Cadmium sulfide	—

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Spectral response peak approximate	6100 angstrom	—
Cell resistance at 2 foot-candles	12000 ohm	—
Dark resistance minimum	1200000 ohm	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Breakdown voltage maximum	300 V	—
Permissible dissipation at 25 C	50 mW	—
Permissible dissipation at 70 C	5 mW	—
Ambient temperature minimum	-40 C	—
Ambient temperature maximum	70 C	—

CONDITION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Resistance measurement illumination	2 foot-candle	—
Dark-resistance measurement delay	10 s	—

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	Industrial light sensing / relay control	—

TUBE TINKER

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

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