ELECTRONIC TUBE REFERENCE

83461

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.

Published Sylvania ratings and characteristics promoted where applicable; additional device-specific electrical values retained as parameters.

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

SOURCE OPERATING CONDITIONS

1965 Sylvania Electronic Tubes Vol3

SOURCE PDF

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	**3000 ohm**	—
Dark resistance minimum	**300000 ohm**	—

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Breakdown voltage maximum	**400 V**	—
Permissible dissipation at 25 C	**300 mW**	—
Permissible dissipation at 70 C	**25 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.

Catalog Tube types Full books Blog Feedback & corrections

© 2026 Tube Tinker