



ELECTRONIC TUBE REFERENCE

81007

Specialized - Photo Tube electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PHOTOCONDUCTIVEDETECTOR

Cadmium-sulfide photoconductive detector with high visible-light sensitivity and bayonet mounting. Incident illumination changes the detector's conductivity for direct optical sensing applications.

GENERAL CHARACTERISTICS

BASE DESIGNATION	OUTLINE	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 light-sensitive element.

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

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 voltage ²	400 V	Breakdown voltage ² 400 VAC contrast and brightness control
Ambient Temperature Range	70 C	Ambient Temperature Range -40 to +70 OC

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Dark Resistance. ¹	500000 ohm	Dark Resistance. ¹ 500,000 Ohms Min.
5. Measured in complete darkness, ⁵	10 s	5. Measured in complete darkness, 10 Second] after removal of 2 FC illumination.