

ELECTRONIC TUBE REFERENCE

3554

Specialized - Photo Tube electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PHOTOEMISSIVEDETECTOR

Gas-filled photocell sensitive to red and infrared radiation, using a cesium-on-oxidized-silver photocathode. It provides direct photoelectric detection with gas-enhanced output for longer-wavelength optical signals.

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
<i>No fixed ratings recorded.</i>	
<i>Published ratings and characteristics promoted from the supplied Philips source where explicitly available.</i>	

Gas-filled photocell sensitive to red and infrared radiation, using a cesium-on-oxidized-silver photocathode.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1957 Philips Receiving and Amplifying Tubes

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

1957 PHILIPS RECEIVING AND AMPLIFYING TUBES

Section 1 · PhotoemissiveDetector

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
ProjectedSensitiveArea	5.2 cm2	—
PhotocathodeMaterial	Cesium on oxidized silver	—

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1999 Philips 0-D

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

1999 PHILIPS 0-D

Section 1 · PhotoemissiveDetector

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Capacité Cak	3.4 pF	Capacité Cak = 3,4 pF
1! (Va	90 V	1! (Va = 90 V) < 0,1 uh
Sensibilité (Vgp	80 V	Sensibilité (Vgp.= 80 V) = 150 wA/R ")
Capacité Cak	3.4 pF	Capacité Cak 3,4 pF
Courant & 1'ob- (Vg	90 V	Courant & 1'ob- (Vg=90 V) o
scurcissement (t amb=100 "C)	2.5 uA	scurcissement (t amb=100 "C) 2,5 uA p—
Sensibilité (Vg	90 V	Sensibilité (Vg=90 V) =150 uag
Sensibilité (Va	90 V	Sensibilité (Va=90 V) wa/e)