



ELECTRONIC TUBE REFERENCE

58CV

Specialized - Photo Tube electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PHOTOEMISSIVE DETECTOR

Photoemissive phototube designed for optical or infrared detection, converting incident radiation into an electrical photocurrent.

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 Photoemissive Detector	
MAXIMUM PLATE VOLTAGE	100 V
Vacuum phototube.	

The Philips 58CV is a vacuum phototube sensitive to red and infrared radiation.



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

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Sensitive Area	1.1 cm ²	—
Anode Voltage	50 V	—
Sensitivity	20 uA/lm	—
Anode-Cathode Capacitance	3 pF	—



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
Operating voltage	90 V	Typical
Dark current	0.05 uA	Maximum at 100 V
Sensitivity	15 uA/lm	Typical
Cathode-anode capacitance	2.5 pF	Interelectrode

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

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

© 2026 Tube Tinker