

ELECTRONIC TUBE REFERENCE

90AG

Specialized - Photo Tube electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PHOTOEMISSIVEDETECTOR

Cesium-antimony photoemissive phototube sensitive primarily to daylight and blue radiation.

GENERAL CHARACTERISTICS

BASE DESIGNATION	Miniature	BASE PINS	–
NOMINAL HEATER	– / –	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 PhotoemissiveDetector
No fixed ratings recorded.
Published ratings and characteristics promoted from the supplied Philips source.

Gas-filled cesium-antimony phototube sensitive to daylight and blue 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

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
ProjectedSensitiveArea	4 cm2	—
CathodeMaterial	Cesium-antimony	—
DarkCurrentMaximum	0.1 uA	AnodeVoltage=85V

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
OperatingAnodeVoltage	85 V	—



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

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Projected sensitive area	2.4 cm ²	Published datasheet value
Maximum dark current	—0.1 μA	Published datasheet value
Luminous sensitivity	130 μA/lm	Published datasheet value
Anode-cathode capacitance	0.9 pF	Published datasheet value

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Spectral response	daylight and blue	Published datasheet value

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Operating anode voltage	85 V	Published datasheet value
Maximum anode voltage	—90 V	Published datasheet value
Load resistance	1 MΩ	Published datasheet value
Maximum ambient temperature	—50 °C	Published datasheet value

CONSTRUCTION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filling	Gas-filled	Published datasheet value

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