

ELECTRONIC TUBE REFERENCE

92AV

Specialized - Photo Tube electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PHOTOEMISSIVEDETECTOR

Vacuum cesium phototube designed for detection of daylight and blue radiation.

GENERAL CHARACTERISTICS

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

SECTION RATINGS

SECTION1 PhotoemissiveDetector

No fixed ratings recorded.

Published ratings and characteristics promoted where semantically applicable; additional values retained as section parameters.

Philips 92AV is a vacuum photoelectric tube with a caesium-based photocathode, intended for detection of daylight and blue radiation. The datasheet gives operating voltage, dark-current, sensitivity and capacitance data.

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	2.1 cm ²	Published datasheet value
Maximum dark current	—0.05 μA	Published datasheet value
Luminous sensitivity	45 μA/lm	Published datasheet value
Anode-cathode capacitance	0.9 pF	Published datasheet value
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	—100 V	Published datasheet value
Load resistance	1 MΩ	Published datasheet value
Maximum ambient temperature	—70 °C	Published datasheet value

CONSTRUCTION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filling	Vacuum	Published datasheet value