ELECTRONIC TUBE REFERENCE

90AV

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.

> Vacuum 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	**0.05 uA**	AnodeVoltage=85V

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
OperatingAnodeVoltage	**85 V**	—

SOURCE DATA APPENDIX

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 cm²**	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

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	**−−100 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	**Vacuum**	Published datasheet value

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