



ELECTRONIC TUBE REFERENCE

3541

Specialized - Photo Tube electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PHOTOEMISSIVEDETECTOR

Philips caesium-cathode photoelectric cell designed for direct optical detection. Manufacturer documentation supplies operating characteristics and ratings for converting incident illumination into electrical photocurrent.

GENERAL CHARACTERISTICS

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

SECTION RATINGS

SECTION 1 PhotoemissiveDetector

No fixed ratings recorded.

Published electrical values are also captured in parameter rows.

Photoelectric tube for light detection. Philips 3541; PHILIPS g, . . H01 Eng. CAT. SHEET " SPECIAL VALVES PHOTO-ELECTRIC CELL 35[11 CHARACTERISTICS Cathode Caesium Anode voltage Va

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
Anode voltage Va	100 V	Anode voltage Va = 100 V
Anode-to-cathode capacity. . Cak	34 pF	Anode-to-cathode capacity. . Cak = 34 pF
Maximum anode voltage . . . Vamax	100 V	Maximum anode voltage . . . Vamax = 100 V
Maximum anode current . . . limax	75 uA	Maximum anode current . . . limax = 75 uA
is to say, a current of	8000 uA	is to say, a current of 8000 uA will flow through the cell, when it is touched by

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