



ELECTRONIC TUBE REFERENCE

3534

Specialized - Photo Tube electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PHOTOEMISSIVE DETECTOR

Philips caesium-cathode photoelectric cell for direct light detection. Manufacturer data specify its photoelectric characteristics and operating conditions for converting incident optical radiation into measurable 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 Photoemissive Detector

No fixed ratings recorded.

Published electrical values are also captured in parameter rows.

Photoelectric tube for light detection. Philips 3534; PHILIPS 7. . CAT. SHEET /] " SPECIAL VALVES
PHOTO-ELECTRIC CELL |3534 CHARACTERISTICS . ' Cathode Caesium Anode voltage
Vg

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 Vg	100 V	Anode voltage Vg = 100 V
Sensitivity N	150 uA/lm	Sensitivity N = 150 uA/lm
Anode-to-cathode capacity . . . Cak	5 pF	Anode-to-cathode capacity . . Cak = 5 pF
Mazximum anode voltage . . . Vamax	100 V	Mazximum anode voltage . . Vamax = 100 V
Maximum anode current . . . lamax	75 uA	Maximum anode current . . lamax = 75 uA
Published electrical value	90 V	90 V; in that case its type indication is known as 3534 Sp.