

ELECTRONIC TUBE REFERENCE

56AVP

Specialized - Photo Tube electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
PHOTOMULTIPLIER

Amperex photomultiplier tube for sensitive optical measurement. Cascaded electron-multiplication stages provide high internal gain from weak photocathode currents, supporting low-light detection applications.

GENERAL CHARACTERISTICS

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

SECTION RATINGS

SECTION1 Photomultiplier	
MAXIMUM PLATE DISSIPATION	1 W
Published ratings/characteristics reviewed.	

56AVP is listed in the supplied Amperex material as a photomultiplier tube. Published ratings and characteristics were captured from the supplied table.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Amperex Condensed

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1963 AMPEREX CONDENSED

Section 1 · Photomultiplier

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Minimum useful photocathode diameter	42 mm	Photomultiplier
Number of dynodes	14	Photomultiplier
Maximum spectral response	4200 angstrom	Photomultiplier
Average photocathode sensitivity	50 uA/lm	Photomultiplier
Luminous-flux linearity lower ratio	100	Photomultiplier
Luminous-flux linearity upper ratio	300	Photomultiplier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum anode dissipation	1 W	Photomultiplier



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

CONSTRUCTION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Multiplier stages	14	—
Useful photocathode diameter	42 mm	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum/typical total voltage	2500 V	—
Maximum continuous anode current	2 mA	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode-to-final-dynode capacitance	3 pF	—
Anode-to-all-other-electrodes capacitance	5 pF	—

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Minimum gain at 2000 V	1000000000	—

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