

ELECTRONIC TUBE REFERENCE

PE54

Specialized - Photo Tube electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PHOTOEMISSIVEDETECTOR

Photoemissive phototube designed for light measurement, relay, or industrial photoelectric detection.

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 PhotoemissiveDetector
No fixed ratings recorded.

Gas-filled photoelectric cell with rectangular wire anode and caesium-antimony cathode, most sensitive in the blue.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1960 Mazda

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

1960 MAZDA

Section 1 · PhotoemissiveDetector

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
OverallSensitivity	90 $\mu\text{A}/\text{lm}$	—
PrimarySensitivity	30 $\mu\text{A}/\text{lm}$	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
MaximumGasAmplificationFactor	6	—
MaximumWorkingVoltage	90 V	—
Maximum Average Cathode Current	6 μA	—
Maximum Peak Cathode Current	20 μA	—
MaximumDarkCurrent	0.1 μA	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode Cathode Capacitance	1.6 pF	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1961 AEI Industrial Valves

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

1961 AEI INDUSTRIAL VALVES

CONSTRUCTION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filling	Gas	—



SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

SOURCE PDF

1961 Associated Electrical Industries

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

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum gas amplification factor	6.3	—
Average overall sensitivity	90 uA/lumen	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum working voltage	90 V	—
Maximum average cathode current	6 uA	—

TUBE TINKER

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