

ELECTRONIC TUBE REFERENCE

27M13

Specialized - Photo Tube electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
PHOTOMULTIPLIER

AEI photoelectric device documented with manufacturer ratings and characteristics. The available source establishes optical detection service, but the extracted description does not expose enough construction detail to classify it more narrowly than a general phototube.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	11
NOMINAL HEATER	— / —	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION0 Photomultiplier
No fixed ratings recorded.
REDO promoted-field audit

27M13 PhotoTube; full semantic REDO from printed ratings and characteristics.



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

Section 0 · Photomultiplier

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum dynode-chain voltage	700 V	—
Maximum anode-to-last-dynode voltage	125 V	—
Maximum anode current	1 mA	—
Average photocathode sensitivity	20 uA/lumen	—
Typical anode-to-last-dynode voltage	50 V	—
Typical voltage per stage	125 V	—
Maximum anode dark current	0.25 uA	—
Luminous sensitivity	2.5 A/lumen	—
Average current amplification	125000	—



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.

1961 ASSOCIATED ELECTRICAL INDUSTRIES

Section 0 · Photomultiplier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
MaximumDynodeChainVoltage	900 V	—
MaximumAnodeToLastDynodeVoltage	125 V	—
TypicalAnodeToLastDynodeVoltage	50 V	—
TypicalVoltagePerStage	125 V	—
LuminousSensitivityPerAnode	2.5 A/lm	—
AverageCurrentAmplificationPerAnode	125000	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
AveragePhotocathodeSensitivity	20 nA/lm	TungstenLamp2700K
MaximumAnodeDarkCurrentPerAnode	0.25 uA	—