

AEI photoemissive detector tube for industrial optical sensing and measurement 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 PhotoemissiveDetector

No fixed ratings recorded.

REDO promoted-field audit

27A12 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 1 · PhotoemissiveDetector

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum working voltage	100 V	—
Maximum mean cathode current	50 nA	—
Maximum ambient temperature	70 C	—
Anode-cathode capacitance	0.7 pF	—
Average overall sensitivity	5 uA/lumen	—
Maximum dark current	0.005 uA	—



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 1 · PhotoemissiveDetector

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum working voltage	100 V	—
Maximum mean cathode current	50 nA	—
Anode-cathode capacitance	0.7 pF	—
Average overall sensitivity	5 uA/lumen	—