

ELECTRONIC TUBE REFERENCE

27M2

Specialized - Photo Tube electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
PHOTOMULTIPLIER

Nine-stage visible-response photoelectric multiplier designed for very low light levels, light-operated relays, and sensitive photometric applications. Its cascaded multiplication stages provide substantial gain from weak visible-light signals.

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.

Nine-stage visible-response photoelectric multiplier for very low light levels, light-operated relays and other sensitive photometric applications.

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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Anode Supply Voltage	900 V	—
MaximumAnodeToLastDynodeVoltage	100 V	—
Maximum Anode Current	1 mA	—
TypicalAnodeToLastDynodeVoltage	50 V	—
TypicalVoltagePerStage	80 V	—
LuminousSensitivity	2 A/lm	—
CurrentAmplification	250000	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
PhotocathodeSensitivity	10 uA/lm	TungstenLamp2700K
MaximumAnodeDarkCurrent	0.25 uA	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
AnodeToAllOtherElectrodesCapacitance	6 pF	—
AnodeToLastDynodeCapacitance	4 pF	—

1961 Associated Electrical Industries

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1961 ASSOCIATED ELECTRICAL INDUSTRIES

Section 0 · Photomultiplier

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TUBE TINKER

An independent reference for electronic tubes, vacuum tubes,
and their source documents.

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