



ELECTRONIC TUBE REFERENCE

FZ9011G

Specialized - Photo Tube electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PHOTOEMISSIVE DETECTOR

Miniature blue-sensitive photoelectric cell with noble-gas filling and an antimony-caesium photocathode. Its compact gas-filled construction provides enhanced photocurrent for visible-light detection.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	7
NOMINAL HEATER	— / —	PARALLEL HEATER	— / —
HEATING	Indirect; cold cathode	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Photoemissive Detector	
MAXIMUM CATHODE CURRENT	0.0025 mA
Photocell section; maximum average photocathode current promoted to MaxCathodeCurrent.	

Blue-sensitive miniature photo cell with noble-gas filling and antimony-caesium cathode.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1953 AEG

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

1953 AEG

Section 1 · PhotoemissiveDetector

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Operating voltage maximum	90 V	Intermittent short-on operation
Cathode current crest maximum	10 uA	Entire cathode surface illuminated
Cathode current average maximum	2.5 uA	Entire cathode surface illuminated
Cathode surface area	4 cm2	—
Ambient temperature maximum	50 degC	—

CAPACITANCE

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cell capacitance	0.9 pF	—

CHARACTERISTIC

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Spectral sensitivity maximum wavelength	400 nm	—

TUBE TINKER

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and their source documents.

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