

ELECTRONIC TUBE REFERENCE

927

Specialized - Photo Tube electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PHOTOEMISSIVEDETECTOR

Gas-filled cesium photoelectric cell for general light detection and measurement.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	3
NOMINAL HEATER	— / —	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 PhotoemissiveDetector	
MAXIMUM PLATE VOLTAGE	90 V
MAXIMUM CATHODE CURRENT	0.002 mA
Gas-filled cesium photocell; gas amplification factor 10.	

Mazda 927 is a gas-filled cesium photoelectric cell for light detection. The datasheet specifies anode-voltage and photocurrent limits together with sensitivity data.

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

CAPACITANCE

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Interelectrode capacitance	2 pF	—

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Mean cathode current maximum	2 uA	—
Load resistance minimum at 90 V	0.1 MOhm	—

CHARACTERISTIC

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Sensitivity at zero periods	125 uA/lumen	—
Gas amplification coefficient	10	—

TUBE TINKER

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and their source documents.

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