

ELECTRONIC TUBE REFERENCE

927D

Specialized - Photo Tube electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PHOTOEMISSIVEDETECTOR

Gas-filled cesium photoelectric cell electrically equivalent to the 927 except for its base construction.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	2
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
Explicitly identical to 927 except for base; electrical values taken from the approved 927 datasheet in this same batch.	

Mazda 927D is a gas-filled cesium photoelectric cell for light detection. The datasheet specifies anode-voltage and photocurrent limits together with sensitivity data. The 927D is electrically identical to the 927 except for its base.

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

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

[Catalog](#) [Tube types](#) [Full books](#) [Blog](#) [Feedback & corrections](#)

© 2026 Tube Tinker