

ELECTRONIC TUBE REFERENCE

TH9477

Specialized - Photo Tube electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

IMAGECONVERTERINTENSIFIER

Electrostatic or cascaded image-intensifier tube designed for night viewing or specialized ultraviolet/low-light imaging.

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 ImageConverterIntensifier

No fixed ratings recorded.

Electron-optical image-intensifier structure; specialized photocathode/focus/screen values retained as parameters.

The Thomson-CSF TH9477 is a ultraviolet-sensitive electrostatic-focus image intensifier for approximately 200–300 nm radiation.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1972 Thomson CSF

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

1972 THOMSON CSF

Section 1 · ImageConverterIntensifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum photocathode-to-screen/anode voltage	15 kV	—
Input window transmission at 250 nm	90 %	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Spectral response	200–300 nm	—
Electronic magnification	2.3 x	—
Useful input field diameter	7 mm	—
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Photocathode material	Cesium telluride	—
Output phosphor type	P20	—
Image-intensifier electron optics	Triode	—

TUBE TINKER

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

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