



ELECTRONIC TUBE REFERENCE

TH9475

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

SECTION 1 ImageConverterIntensifier

No fixed ratings recorded.

Three-stage electron-optical image intensifier; stage supply and photocathode/screen performance retained as parameters.

The Thomson-CSF TH9475 is a three-cascaded-stage fiber-optic light image intensifier for very-high-gain night viewing.

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

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Number of cascaded stages	3	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Stage voltage	15 kV	—
Maximum supply peak-to-peak voltage	2800 V	—
Supply frequency	1400–2000 Hz	—
Typical supply peak-to-peak voltage	2700 V	—
Typical supply frequency	1500 Hz	—
Viewing screen potential	45 kV	—
Photocathode luminous sensitivity	150–200 $\mu\text{A}/\text{lm}$	—
Photocathode radiant sensitivity at 800 nm	6–10 mA/W	—
Photocathode radiant sensitivity at 850 nm	1–3 mA/W	—
Luminance gain	10000–20000 x	—
Maximum photocathode illumination	0.005 lux	—

TUBE TINKER

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

