

ELECTRONIC TUBE REFERENCE

TH9473

Specialized - Photo Tube electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

IMAGECONVERTERINTENSIFIER

Thomson-CSF 25 mm single-stage light image intensifier using electrostatic focusing and fiber-optic coupling. It increases brightness of weak visible images for low-light viewing or recording.

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 TH9473 is a 25 mm single-stage electrostatic-focus fiber-optic light image intensifier.

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	16 kV	—
Photocathode-screen voltage	6–16 kV	—
Maximum output luminance	400 cd/m ²	—
Typical anode voltage	15 kV	—
Central resolution	55–65 lp/mm	—
Peripheral resolution	50–60 lp/mm	—
Typical ambient temperature	20 C	—
Typical color temperature of incident source	2854 K	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Useful photocathode diameter	25 mm	—

TUBE TINKER

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