

ELECTRONIC TUBE REFERENCE

TH9448

Specialized - Photo Tube electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

IMAGECONVERTERINTENSIFIER

Thomson-CSF 15 cm high-resolution X-ray image intensifier with high contrast and approximately 10,000-fold luminance gain, designed to convert weak X-ray images into bright visible displays.

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; electrode voltages and currents retained as parameters.

The Thomson-CSF TH9448 is a 15 cm high-resolution x-ray image intensifier with high contrast and about 10,000× luminance gain.

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 anode voltage	32 kV	—
Maximum photocathode current	0.5 uA	—
Maximum g1 current	5 uA	—
Maximum g2 current	1 uA	—
Maximum g3 current	1 uA	—
Maximum g4 current	10 uA	—
Maximum anode current	2 uA	—
Luminance/brightness gain	10000 x	—
Active getter anode voltage	3.5 kV	—
Typical g1 voltage minimum	100 V	—
Typical g1 voltage maximum	350 V	—
Typical g2 voltage minimum	1000 V	—
Typical g2 voltage maximum	1600 V	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Nominal/full input field diameter	15 cm	—
Output image diameter	14.5 mm	—

TUBE TINKER

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

