ELECTRONIC TUBE REFERENCE

TH9428A

Specialized - Photo Tube electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
IMAGECONVERTERINTENSIFIER

High-resolution Thomson-CSF triple-field electronic-zoom X-ray image intensifier with 22, 16, and 11.5 cm input fields. Electronic field selection provides magnified diagnostic X-ray viewing.

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 TH9428A is a high-resolution triple-field electronic-zoom x-ray image intensifier with 22/16/11.5 cm input fields.

SOURCE OPERATING CONDITIONS

1972 Thomson CSF

SOURCE PDF

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	1 uA	—
Maximum g2 current	1 uA	—
Maximum g3 current	1 uA	—
Maximum g4 current	10 uA	—
Maximum anode current	2 uA	—
Luminance/brightness gain	7000 x	—
Active getter anode voltage	3.5 kV	—
Input field mode 1	22 cm	—
Input field mode 2	16 cm	—
Input field mode 3	11.5 cm	—

CHARACTERISTIC

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Nominal/full input field diameter	22 cm	—
Output image diameter	20 mm	—

Tube Tinker

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