ELECTRONIC TUBE REFERENCE

TH9659

Specialized - Photo Tube electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
CAMERAPICKUP

High-sensitivity low-light camera pickup tube using intensified vidicon, esicon, super-esicon, or nocticon imaging technology.

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 CameraPickup

No fixed ratings recorded.

Composite/image-pickup electron-optical section; camera-specific voltages and performance retained in parameters.

The Thomson-CSF TH9659 is a 16 mm nocticon low-light camera tube with silicon target and wide dynamic range.

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 · CameraPickup

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Nominal sensitivity	200 mA/lm	—
Photocathode acceleration voltage	9000 V	—
Electron-hole pairs per photoelectron minimum	1500	—
Electron-hole pairs per photoelectron maximum	2000	—
Maximum target voltage	300 V	—
Maximum g2 acceleration voltage	350 V	—
Maximum g3 wall voltage	350 V	—
Maximum g4 field voltage	350 V	—
Maximum g1 negative bias magnitude	150 V	—

CHARACTERISTIC

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input useful diameter	16 mm	—
Silicon target diameter	16 mm	—

Tube Tinker

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

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