



ELECTRONIC TUBE REFERENCE

TH9655

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

SECTION 1 CameraPickup

No fixed ratings recorded.

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

The Thomson-CSF TH9655 is a nocticon low-light-level camera tube with fiber-optic input and silicon diode-array target.

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 · CameraPickup

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Nominal sensitivity	300 mA/Lm	—
Photocathode acceleration voltage	10000 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 field diameter	25 mm	—
Silicon target diameter	18 mm	—

TUBE TINKER

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

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