



ELECTRONIC TUBE REFERENCE

TH9824

Specialized - Photo Tube electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

CAMERA PICKUP

Vidicon television camera pickup tube designed for professional, industrial, broadcast, telecine, radiological, or military imaging service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	E13-90	BASE PINS	13
NOMINAL HEATER	6.3 V / 150 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Camera Pickup

No fixed ratings recorded.

Camera/pickup-tube section. Camera-specific target/grid/focusing/deflection limits are preserved in TUBE_SECTION_PARAMETER rather than forced into unrelated plate/screen promoted fields.

Fully electrostatic 1-inch Vidicon for compact lightweight transistorized cameras, including military and space television.

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
Electrode g4 Voltage Maximum	1000 V	—
Electrode g3 Voltage Maximum	1000 V	—
Electrode g2 Voltage Maximum	350 V	—
Grid g1 Negative Bias Maximum	-150 V	—
Grid g1 Positive Bias Maximum	0 V	—
Heater-Cathode Peak Voltage Negative	125 V	—
Heater-Cathode Peak Voltage Positive	10 V	—
Target Voltage Maximum	125 V	—
Dark Current Maximum	0.2 uA	—
Peak Target Current Maximum	0.6 uA	—
Minimum Preheating Time	60 s	—
Target-to-All-Electrodes Capacitance	2.5 pF	—
Deflector-to-All-Electrodes Capacitance	6 pF	—
Horizontal Deflection DC Voltage Maximum	500 V	—
Vertical Deflection DC Voltage Maximum	500 V	—
Horizontal Deflection Peak-to-Peak Voltage	140 V	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Vertical Deflection Peak-to-Peak Voltage	140 V	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	Military and space television	—

TUBE TINKER

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

[Catalog](#) [Tube types](#) [Full books](#) [Blog](#) [Feedback & corrections](#)

© 2026 Tube Tinker