



ELECTRONIC TUBE REFERENCE

TH9812

Specialized - Photo Tube electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

CAMERAPICKUP

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

GENERAL CHARACTERISTICS

BASE DESIGNATION	E8-11	BASE PINS	8
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 CameraPickup

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.

High-sensitivity 1-inch industrial Vidicon with magnetic focus/deflection, high resolution and low lag.



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	—
Output Capacitance	4.5 pF	—
Center Limiting Resolution	1000 TV lines	—
Corner Limiting Resolution	600 TV lines	—
Average Sensitivity	200 uA/lm	—
High Sensitivity	900 uA/lm	—
Very High Sensitivity	1500 uA/lm	—

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

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