ELECTRONIC TUBE REFERENCE

TH9806PA

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

SECTION1 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.

1-inch magnetic-focus/deflection Vidicon for professional and educational television; high resolution, normal sensitivity and low lag.

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
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**	—
Typical g4 Voltage High Resolution	**900 V**	—
Typical g3 Voltage High Resolution	**600 V**	—
Center Limiting Resolution	**900 TV lines**	—
Corner Limiting Resolution	**600 TV lines**	—
Average Sensitivity	**170 uA/lm**	—
High Sensitivity	**350 uA/lm**	—
Very High Sensitivity	**800 uA/lm**	—

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