ELECTRONIC TUBE REFERENCE

TH9814PA

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.

Ruggedized short-length 1-inch Vidicon for compact television cameras; magnetic focus/deflection.

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**	—
Length	**130 mm**	—

CHARACTERISTIC		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Construction	**Ruggedized**	—

TUBE TINKER

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

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