ELECTRONIC TUBE REFERENCE

TH9820

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 silicon-diode-array target Vidicon with high sensitivity, broad 400–1100 nm spectral response, low lag and low dark current.

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	**350 V**	—
Electrode g3 Voltage Maximum	**350 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	**300 V**	—
Peak Target Current Maximum	**750 nA**	—
Minimum Preheating Time	**60 s**	—
Output Capacitance	**5 pF**	—
Typical Target Voltage	**8 V**	—
Typical g4 Voltage	**340 V**	—
Typical g3 Voltage	**290 V**	—
Typical g2 Voltage	**300 V**	—
Spectral Response Minimum	**400 nm**	—
Spectral Response Maximum	**1100 nm**	—
Faceplate Temperature Maximum	**90 C**	—

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