

ELECTRONIC TUBE REFERENCE

TH9835

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 / 100 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 1-inch silicon-diode-array Vidicon assembly with integral focusing/deflection coils and broad 400–1100 nm response.

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	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	6.5 pF	—
Typical Target Voltage	8 V	—
Typical g4 Voltage	340 V	—
Radiant Sensitivity at 730 nm	380 mA/W	—
Dark Current Typical	4 nA	—
Center Limiting Resolution	700 TV lines	—
Spectral Response Minimum	400 nm	—
Spectral Response Maximum	1100 nm	—