ELECTRONIC TUBE REFERENCE

7351A

Specialized - Photo Tube electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
CAMERAPICKUP

Improved low-light television camera tube using a photoconductive target with reduced image lag. It converts low-illumination scenes into scanned electrical video signals with improved temporal response.

General characteristics

BASE DESIGNATION	_	**BASE PINS**	_
NOMINAL HEATER	6.3 V / 600 mA	**PARALLEL HEATER**	_ / _
HEATING	Indirect	**SERIES OPERATION**	Not specified
CATHODE ARRANGEMENT	Separate cathodes	**SECTION CONSTRUCTION**	Similar

Section ratings

SECTION1 CameraPickup

No fixed ratings recorded.

Applicable promoted ratings populated from printed headings; remaining published device-specific data retained as parameters.

Improved low-light television camera tube with photoconductive target and reduced image lag.

SOURCE OPERATING CONDITIONS

1971 Machlette Laboratories

SOURCE PDF

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1971 MACHLETTE LABORATORIES

Section 1 · CameraPickup

CAPACITANCE		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Signal Electrode to All Other Electrodes Capacitance	**45 pF**	—

OTHER		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Signal Electrode Voltage	**10–25 V**	—
Signal Electrode Voltage Maximum	**40 V**	—
Grid 3 and Grid 4 Voltage	**250–300 V**	—
Grid 2 Voltage	**300 V**	—
Grid 1 Cutoff Voltage	**-100–-45 V**	—
Highlight Signal Output Current	**0.2–0.4 uA**	—
Maximum Dark Current	**0.08 uA**	—

CHARACTERISTIC		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Useful Image Diagonal	**0.62 in**	—

TUBE TINKER

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

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