

ELECTRONIC TUBE REFERENCE

7351

Specialized - Photo Tube electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CAMERAPICKUP

Compact low-light television camera tube using a photoconductive target and providing approximately 500-line resolution. Designed for sensitive live imaging rather than simple point light measurement.

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.

Small low-light television camera tube using a photoconductive target; approximately 500-line resolution.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1971 Machlette Laboratories

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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