

ELECTRONIC TUBE REFERENCE

S4092

Specialized - Photo Tube electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CAMERAPICKUP

Two-thirds-inch Newvicon camera tube with electrostatic focusing, magnetic deflection, and separate mesh connection. Designed for low-light and ultra-compact television cameras requiring high sensitivity in a small format.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	7
NOMINAL HEATER	6.3 V / 95 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 imaging section; SectionType=Other because the canonical section vocabulary has no Camera value.

2/3-inch Newvicon camera tube with electrostatic focusing, magnetic deflection and separate mesh connection for low-light and ultra-compact television cameras.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1961 Matsushita

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

1961 MATSUSHITA

Section 1 · CameraPickup

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Target to all other electrodes capacitance	2 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid No. 6 voltage maximum	—600 V	—
Grid No. 4 voltage maximum	—350 V	—
Grid Nos. 2, 3 and 5 voltage maximum	—350 V	—
Grid No. 1 negative bias maximum	-300— V	—
Peak heater-cathode voltage, heater negative	—125 V	—
Peak heater-cathode voltage, heater positive	—10 V	—
Target voltage maximum	—50 V	—
Peak output current maximum	—0.8 uA	—
Target voltage	10–25 V	—
Signal current typical	260 nA	—
Typical grid No. 6 decelerator voltage	500 V	—
Grid No. 4 beam focus voltage	35–55 V	—
Typical grids No. 2, 3 and 5 voltage	300 V	—
Grid No. 1 cutoff voltage	-80—-30 V	—

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Center limiting resolution typical	600 TV lines	—

TUBE TINKER

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

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