

ELECTRONIC TUBE REFERENCE

27WP4

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CATHODERAY

Twenty-seven-inch rectangular filter-glass television picture tube with electrostatic focusing, magnetic deflection, ion trap, aluminized P4 screen, and external conductive coating. Matsushita documentation supports conventional direct-view monochrome receiver service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	12
NOMINAL HEATER	6.3 V / 300 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Cathode Ray
No fixed ratings recorded.

Direct-view 27-inch rectangular filterglass picture tube with electrostatic focusing, magnetic deflection, ion trap, aluminized P4 screen, and external conductive coating.

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 · Cathode Ray

CAPACITANCE

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid No. 1 to other electrodes capacitance	7 pF	—
Cathode to other electrodes capacitance	4 pF	—

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid 4 and 6 voltage maximum	—20000 V	—
Grid 2 voltage maximum	—500 V	—
Typical grid 4 and 6 voltage	18000 V	—
Typical grid 2 voltage	300 V	—

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Horizontal deflection angle	85 deg	—
Diagonal deflection angle	90 deg	—

TUBE TINKER

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and their source documents.

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