



ELECTRONIC TUBE REFERENCE

A63120X

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CATHODERAY

Large rectangular color television picture tube using multiple electron beams and a shadow-mask tricolor phosphor-dot screen. Its magnetic deflection and high-voltage direct-view construction are designed specifically for color receiver service.

GENERAL CHARACTERISTICS

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

SECTION RATINGS

SECTION 1 Cathode Ray*No fixed ratings recorded.**Published Telefunken ratings and characteristics promoted from the supplied source.*

Color television picture tube with three electron beams and shadow-mask phosphor-dot screen.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1959 Telefunken

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

1959 TELEFUNKEN

Section 1 · Cathode Ray

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterOrFilamentVoltage	6.3 V	—
HeaterOrFilamentCurrent	300 mA	—
UsefulScreenDiagonalMinimum	584 mm	—
UsefulScreenWidthMinimum	504 mm	—
UsefulScreenHeightMinimum	396 mm	—
DeflectionMethod	Magnetic	—
Deflection Angle	90 degree	—
ElectronBeamCount	3	—
ScreenConstruction	Shadow-mask three-color phosphor dots	—

TUBE TINKER

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and their source documents.

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