



ELECTRONIC TUBE REFERENCE

A5012W

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CATHODERAY

50 cm-class monochrome television picture tube for high-voltage direct-view service, with manufacturer-defined magnetic deflection, focusing, screen, and beam-control characteristics.

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.

Rectangular television picture tube with electrostatic focusing, 110-degree magnetic deflection, grey glass, and metal-backed 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	473 mm	—
UsefulScreenWidthMinimum	394 mm	—
UsefulScreenHeightMinimum	308 mm	—
DeflectionMethod	Magnetic	—
Deflection Angle	110 degree	—
FocusingMethod	Electrostatic	—
ScreenConstruction	Metal-backed grey glass	—