



## ELECTRONIC TUBE REFERENCE

# A31120W

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

**1 SECTION**  
CONSTRUCTION  
**CATHODERAY**

European rectangular monochrome television picture tube with electrostatic focusing, magnetic deflection, and an aluminized or metal-backed screen. Manufacturer documentation supports direct-view receiver service with wide-angle deflection and compact cabinet geometry.

## GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | —                 | BASE PINS            | —             |
| NOMINAL HEATER      | 11 V / 68 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/JEDEC ratings and characteristics promoted where applicable; additional values retained as parameters.*

Rectangular TV picture tube with low-voltage electrostatic focus and 110-degree magnetic deflection.

## 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

**APPLICATION**

| PARAMETER   | PUBLISHED VALUE            | CONDITION / NOTE |
|-------------|----------------------------|------------------|
| Application | Television picture display | —                |

**CHARACTERISTICS**

| PARAMETER                    | PUBLISHED VALUE | CONDITION / NOTE |
|------------------------------|-----------------|------------------|
| Focusing method              | Electrostatic   | —                |
| Deflection method            | Magnetic        | —                |
| Deflection angle             | 110 deg         | —                |
| Faceplate light transmission | 50 %            | —                |
| Screen persistence           | Medium          | —                |

**CONSTRUCTION**

| PARAMETER           | PUBLISHED VALUE         | CONDITION / NOTE |
|---------------------|-------------------------|------------------|
| Screen diagonal     | 295 mm                  | —                |
| Screen width        | 257 mm                  | —                |
| Screen height       | 195 mm                  | —                |
| Screen construction | Metal-backed grey glass | —                |

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