ELECTRONIC TUBE REFERENCE

A3120W

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

SECTION1 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 90-degree magnetic deflection.

SOURCE OPERATING CONDITIONS

1959 Telefunken

SOURCE PDF

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	**90 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**	—

TUBE TINKER

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

Catalog Tube types Full books Blog Feedback & corrections

© 2026 Tube Tinker