ELECTRONIC TUBE REFERENCE

AW3620Z

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
CATHODERAY

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

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

SECTION1 Cathode Ray

MAXIMUM PLATE VOLTAGE	18000 V

Published Mullard ratings, characteristics, capacitances, and operating data promoted where applicable; additional electrical values retained as parameters.

14-inch rectangular television CRT with electrostatic focus and 70-degree magnetic deflection.

SOURCE OPERATING CONDITIONS

1963 Mullard

SOURCE PDF

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

1963 MULLARD

Section 1 · Cathode Ray

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Focusing method	**Electrostatic**	—
Deflection method	**Magnetic**	—
Deflection angle	**70 deg**	—
Light transmission	**70 %**	—

CONSTRUCTION

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Screen construction	**Metal-backed**	—

APPLICATION

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	**Direct-view television / radar display**	—

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Focus-electrode control range	**-55 to +145 V**	—
Final-anode voltage maximum	**18 kV**	—
Heater-cathode voltage maximum cathode negative	**125 V**	—
Heater-cathode voltage maximum cathode positive	**200 V**	—
Heater-cathode peak voltage maximum cathode positive	**410 V**	—
Heater surge voltage maximum	**9.5 V rms**	SeriesHeater

Tube Tinker

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

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