

ELECTRONIC TUBE REFERENCE

ML4110

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CATHODERAY

Philips radar cathode-ray tube with a metal-backed screen and magnetic focusing and deflection. Its large direct-view display is intended for radar indicator presentation and persistent target viewing.

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
No fixed ratings recorded. CRT-specific optical, focusing, deflection, accelerating-voltage, scan, capacitance, and safety data are retained in TUBE_SECTION_PARAMETER because the locked promoted fields primarily target conventional electrode sections.

Radar cathode-ray tube with metal-backed screen and magnetic focusing/deflection.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Philips Electron Tubes Handbook V2

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

1963 PHILIPS ELECTRON TUBES HANDBOOK V2

Section 1 · Cathode Ray

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	6.3 V	CathodeRay
Heater current	300 mA	CathodeRay
Accelerator/anode voltage	15 kV	RadarCRT
Grid No.2 voltage	300 V	RadarCRT
Grid No.1 cutoff voltage minimum	30 V	RadarCRT
Grid No.1 cutoff voltage maximum	70 V	RadarCRT
Useful screen diameter	368 mm	RadarCRT
Focusing unit location	118 mm	RadarCRT
Grid No.3 voltage maximum	16 kV	RadarCRT

CONSTRUCTION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Focusing	Magnetic	CathodeRay
Deflection	Double magnetic	CathodeRay
Screen color	Orange	CathodeRay
Screen persistence	Long	CathodeRay
Screen construction	Metal-backed	RadarCRT

TUBE TINKER

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

