



ELECTRONIC TUBE REFERENCE

922AM

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

CATHODERAY

Nine-inch high-resolution cathode-ray tube with magnetic focusing and deflection, designed for flying-spot scanning or photographic recording. Its high-voltage fine-detail display supports optical image conversion.

GENERAL CHARACTERISTICS

BASE DESIGNATION	B12A	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	30000 V
<i>Promoted fields were populated only where the Ferranti sheet maps cleanly to the locked schema; additional ratings and operating values are retained in TUBE_SECTION_PARAMETER.</i>	

Nine-inch high-resolution cathode-ray tube for flying-spot scanning or photographic recording with magnetic focus and deflection.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Ferranti

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

1963 FERRANTI

Section 1 · Cathode Ray

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode voltage	25000 V	—
Visual cutoff grid voltage	-210 V	—
Grid drive at 100uA beam current	35 V	—
Screen resolution	1000 lines	50fps
Focus-coil excitation	570 ampere-turns	Approximate
X-ray shielding threshold	16000 V	ShieldingMayBeRequiredAbove

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cathode-to-all capacitance maximum	8 pF	—
Grid-to-all capacitance maximum	8 pF	—

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