ELECTRONIC TUBE REFERENCE

922QM

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

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.

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

SOURCE OPERATING CONDITIONS

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.

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