ELECTRONIC TUBE REFERENCE

924DM

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
CATHODERAY

Nine-inch high-quality flat-face CRT designed for telerecording and television standards-converter service. Its high-resolution high-voltage display system supports photographic recording and television format 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-quality flat-face cathode-ray tube for telerecording and television standards-converter service.

SOURCE OPERATING CONDITIONS

1963 Ferranti

SOURCE PDF

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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