ELECTRONIC TUBE REFERENCE

T979X

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
CATHODERAY

English Electric cathode-ray instrument tube with electrostatic beam control and precision deflection, intended for oscillographic or measurement display with screen characteristics designated by type T979X.

General characteristics

BASE DESIGNATION	B12F	**BASE PINS**	12
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.

Maximum final-anode/PDA voltage mapped to MaxPlateVoltage.

Five-inch wide-band high-speed oscilloscope cathode-ray tube with electrostatic focus and deflection, post-deflection acceleration, and aluminized screen. X screen

SOURCE OPERATING CONDITIONS

1971 English Electric Valve

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

1971 ENGLISH ELECTRIC VALVE

Section 1 · Cathode Ray

OTHER		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Heater voltage	**6.3 V**	—
Heater current	**300 mA**	—
Maximum anode 4 voltage	**3.3 kV**	—
Maximum anode 3/anode 1 voltage	**3.3 kV**	—
Maximum anode 2 voltage	**1.5 kV**	—
Maximum cathode current	**0.3 mA**	—
Maximum deflection electrode voltage	**500 V**	—
Typical PDA/screen voltage	**12 kV**	—

CHARACTERISTIC		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Screen characteristic	**X screen**	—

CAPACITANCE		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Grid to all other electrodes capacitance	**6.1 pF**	—
Cathode to all other electrodes capacitance	**5.7 pF**	—
X1 to X2 capacitance	**3.1 pF**	—
Y1 to Y2 capacitance	**1.7 pF**	—

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

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