

ELECTRONIC TUBE REFERENCE

T979H

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 T979H.

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	
MAXIMUM PLATE VOLTAGE	15000 V
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. H / P31 blue-green, medium-short persistence

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

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	H / P31 blue-green, medium-short persistence	—

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	—